

FIG. 2

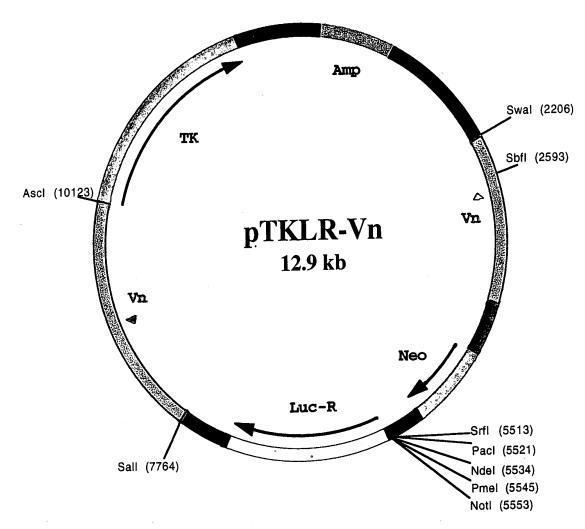


FIG. 3A

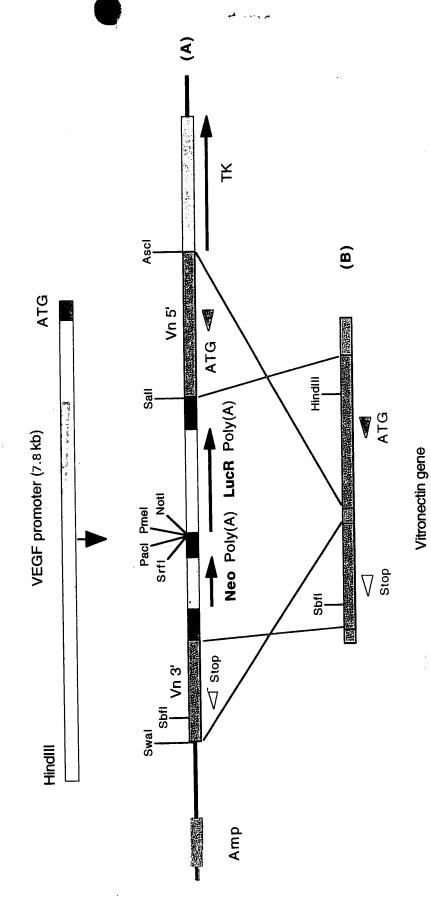


FIG. 3B

]1	TCCACCCACC AGGTGGGTGG	TGTTTCTCAC ACAAAGAGTG	CAGGGGCCGG	TTCCTAGTTA AAGGATCAAT	ACTICATOGT TGAAGTACCA	TAAAGAAGCC ATTICTICGG	TCACCCGGGG AGTGGGCCCC	AGGGTGTGGT TCCCACACCA	GCCACAGAAG CGGTGTCTTC	GAAGGGTGCT CTTCCCACGA
101	CCCACAAGCC GGGTGTTCGG	CCCAGTGTCT GGGTCACAGA	CTGATTTAGG GACTAAATCC	GAGAGCACCT CTCTCGTGGA	GAGCCCAGTG CTCGGGTCAC	AGAGTCTTCT TCTCAGAAGA	CTGTCCCTCA GACAGGGAGT	ATCGGTTCTG TAGCCAAGAC	AAATTCCCCA TTTAAGGGGT	CTTGCCCTCC GAACGGGAGG
201	TTATCCAGGG AATAGGTCCC	GACAGGGCTG CTGTCCCGAC	CCCACCCTAT GGGTGGGATA	TCAGGACAGT AGTCCTGTCA	AGTCTTAAAC TCAGAATTIG	TOGTAGCCAA AGCATCGGTT	CAGACTTTTT GTCTGAAAAA	ATTGGGCTGG TAACCCGACC	GAGAAAGAGA CICTTICICT	TGAGGCTCCT ACTCCGAGGA
301	GAAGCTCAGC CTTCGAGTCG	CGAGTGGGCT GCTCACCCGA	CTGATTCCTA GACTAAGGAT	CTTCTCAGAG GAAGAGTCTC	GTCGGGCAGC CAGCCCGTCG	CCAGCCAATA GGTCGGTTAT	CTGAGCAATG GACTCGTTAC	GAGCGTGGGT CTCGCACCCA	AGGGAGGATT TCCCTCCTAA	CACAGAGTCC GTGTCTCAGG
401	ACTCGCCGGG TGAGCGGCCC	TTCTAAGGTT AAGATTCCAA	GACTOGGTAG CTGAGCCATC	TATTTGTCTG ATAAACAGAC	AAAGAAAGAA TIICTTICTT	TGGAAAAAGG ACCTTTTTCC	GTTATGTGAG CAATACACTC	ATTCTGCCTG TAAGACGGAC	ATCCTGTCCA TAGGACAGGT	CTGGTCCCAA GACCAGGGTT
501	GAAGGATAAA CTTCCTATTT	GGCTTTTTCT CCGAAAAAGA	CAGAAGGGAA GTCTTCCCTT	AGTGAACATC TCACTTGTAG	CACCAAGCAG GTGGTTCGTC	ATAATGTCAC TATTACAGTG	CATCTACAGG GTAGATGTCC	CTGTGTTCAG GACACAAGTC	CACCCAGGGA GTGGGTCCCT	CCAAGACCTG GGTTCTGGAC
601	CAGGCAAGGC GTCCGTTCCG	CTAGCCAAAA GATCGGTTTT	CCAGTCTAAG GGTCAGATTC	GAGTAGAAAG CTCATCTTTC	GGGCTCCCAC CCCGAGGGTG	CTCCAGAGAA GAGGTCTCTT	GAAATAGACG CTTTATCTGC	CTCTGAATGG GAGACTTACC	GCTCGCAGGT CGAGCGTCCA	GGCAGGTACA CCGTCCATGT
701	AGCCAGTCCA TCGGTCAGGT	TATCATAATC ATAGTATTAG	ATAGITGTIG TATCAACAAC	TAGGTTCCTA ATCCAAGGAT	GCCCACTCTC CGGGTGAGAG	CTCGCTGGAG GAGCGACCTC	AACAAAGAGA TTGTTTCTCT	ACCAGATTGA TGGTCTAACT	ACGTGATGAA TGCACTACTT	CGACGGGAGT GCTGCCCTCA
801	TCGAGCTCTG AGCTCGAGAC	GCTGCGTCTG CGACGCAGAC	TGGCCACGCC ACCGGTGCGG	CTCGGCGTGA GAGCCGCACT	ACGATAGCGC TGCTATCGCG	TTTCGGCTTC AAAGCCGAAG	TACGCTTAGA ATGCGAATCT	CTTCTGTTTT GAAGACAAAA	TTGGCTTGGG AACCGAACCC	CAGAGTGGGA GTCTCACCCT
901	TAAGGAGCCA ATTCCTCGGT	GTGACGTAGA CACTGCATCT	TGCGGCCGGC ACGCCGGCCG	CATAGCAGCG GTATCGTCGC	TCCACTTTCC AGGTGAAAGG	CTGGCACACC GACCGTGTGG	ATGCCAGTTC TACGGTCAAG	CGGCTGATGA GCCGACTACT	ATTGGGGTTC TAACCCCAAG	TCTGGCTCCA AGACCGAGGT
1001	TCTGTAACAG AGACATTGTC	GGAAGGGGTT CCTTCCCCAA	AATGCACTTG TTACGTGAAC	GCAGATTCTG CGTCTAAGAC	GCTTTGATTT CGAAACTAAA	CTCCAGCAAG GAGGTCGTTC	GTTGTCTGTC CAACAGACAG	TATCTATTTA ATAGATAAAT	TCTATCTTTA AGATAGAAAT	TCTATGTATC AGATACATAG
1101	TATCTATATA ATAGATATAT	TCTATGTATC AGATACATAG	TATCTATCTA ATAGATAGAT	TCATCTACCT AGTAGATGGA	ACCTACTTAC TGGATGAATG	CTATCTATGT GATAGATACA	ATCTATCTAT TAGATAGATA	CTATCATCTA GATAGTAGAT	CCTACCTACT GGATGGATGA	TACCTATCTA ATGGATAGAT
1201	CCTATTTATT GGATAAATAA	TGTTTGTTTG ACAAACAAAC	TTTTCTTTGA AAAAGAAACT	AACAGGATCT TTGTCCTAGA	TAGCACCTAC ATCGTGGATG	CTATGGCTGG GATACCGACC	TTTGCAACTC AAACGTTGAG	ACTATGAAGC TGATACTTCG	CATAACTGGC GTATTGACCG	CTCTTAACTC GAGAATTGAG
1301	ACAAAGATCC TGTTTCTAGG	ACTTGCCTGT TGAACGGACA	GTCTCTGAGT CAGAGACTCA	GCTGGGATTA CGACCCTAAT	AAAGCATGTG TTTCGTACAC	CCACTACACC GGTGATGTGG	CAGCTCCAGT GTCGAGGTCA	AGGACCTTTA TCCTGGAAAT	GAACACATTT CTTGTGTAAA	GCTATGCCTT CGATACGGAA
1401	GCCTAAGACA CGGATTCTGT	CACAACTCAG GTGTTGAGTC	TCCCCAGGCC AGGGGTCCGG	CCAGCCTCCC GGTCGGAGGG	TGTCTAGAGC ACAGATCTCG	TTTTTCCCAT AAAAAGGGTA	CCTCTCTCCA GGAGAGAGGT	CTGTATCCCT GACATAGGGA	TGAATCTCTG ACTTAGAGAC	CCCCATCCGA GGGGTAGGCT
1501	AACCCCTCAG TTGGGGAGTC	CGCGCAGCCC	CTCCTTCTGC GAGGAAGACG	TGTGTTAGGC ACACAATCCG	AAAGTCCAAG TTTCAGGTTC	GTATGGGATC CATACCCTAG	CAAATAGAGC GTTTATCTCG	CAAGCCTCAT GTTCGGAGTA	CCCCCAAAAG GGGGGTTTTC	TCAACAGAAG AGTTGTCTTC
1601	CAAAGTCTAG GTTTCAGATC	CCAGAGCAAA GGTCTCGTTT	CAGCTCTTGA GTCGAGAACT	TCGATGGTGT AGCTACCACA	CACAGTTCCA GTGTCAAGGT	GGCCCCTCCC	CTGGAAGCCC GACCTTCGGG	CCACTATCAC GGTGATAGTG	AGCCCAGTTT TCGGGTCAAA	CCAGAGAAAG GGTCTCTTTC
	TTCGGTCGGA	ACGAGAGGGA	CCATACCAGA GGTATGGTCT	CCTAGACGGG	GICTICTCCT	CAAGCTTTTA	CAAGAGGGTC	GACAGGGCGA	CTTCGTTCCG	TTTCACGAGT
<u>"</u>	TTGTGCCGAC	TGTCTCTCGA	GCCTTCGCAC	AGGAGGACCG	ACCCAACGAC	GACTITAAGC	ATGAGGGTCA	TGACGAAGGG	ACTOCTOCTO	TTGTCGACCG
1901	ATCAGGAGAG TAGTCCTCTC	ATCTGACCAA TAGACTGGTT	GGCAGAGAGG CCGTCTCTCC	AATCATGGAA TTAGTACCTT	TAGAACAGGG ATCTTGTCCC	ACTCCACCAC TGAGGTGGTG	CTGCCCCCTT	CTCCTCCACC	CTGAGTACCC GACTCATGGG	TIGAAGAAGT AACTTCTICA
	TCTGGGAAAG	GGCCGGTGAC	TAACGGTGGG	GTCCTTCCCG	CTTGCGACGT	AGTIGTAACA	GACCATACGG	TGACTTCGGA	AGCCTCTACA	AAGCCCCTAT
	TGGTCCCAGG	TCCTGGGGTA	CCTCAAAGCG GGAGTTTCGC	GGTCATGACT	GATGGGACTT	TCTGTCTCTA	GTCTTCCCAC	TCCTGTATGG	CGACCGGTGT	CITCGICAGG
	ATATAGGATT	TGACCGACAG	ACCTGCTCCT TGGACGAGGA	CCTCAGGGAC	TGACGAAACA	GAAGTGTCGA	GGGTCGTGC	AGGTACCGTG	GGAAATGGAA	CGGAGICIGA
2301	TAGGTCTGGT ATCCAGACCA	ACCTTGAACA TGGAACTTGT	AGTAGGTCTT TCATCCAGAA	CCCCTGACAG	TIGATGCGAG	TGAAGGCAGC ACTTCCGTCG	ATCGATGGGG TAGCTACCCC	CCCTCAATGC GGGAGTTACG	CCCAGACATC GGGTCTGTAG	TTGGATAAGT AACCTATTCA
•	AACCCCATGG	GTCCGGAGTG	TGCCGTCTCA ACGGCAGAGT	AGATCGAGTA	TCGTCATGAC	GGGATCTTGT	CCCCTTTGAC	ACACTCTTCG	TCTACTCGGA	TICCGICTAG
	GCTGGCGGTG	GTCTGGACAG	CATAGAGTCA GTATCTCAGT	GGAGCCTTCC	GTTTCTCCCT	GGGTAAGAAC	TCTAGGCACT	TCCGCAGTTT	CCCGAAAGGT	GACGIGICAA
	GAAGGAGACC	TTTGAGTCCC	GTCCCTTGAT CAGGGAACTA	GTCACCACAG	CCCGGAATCC	TAGAGGAGGA	. CAACGAGGTG	AAATCCGCGA	CCCCACGAAC	CGACAAGGAG
	TCCTAGATCC	TTCCGACAGO	GCTTTAGAGT CGAAATCTCA	CGGCAGGCAG	GCTCCTAAAT	CCAGTGGCCC	ACCTCTCCAC	AAGAGCCCAA	CGTGTGGCCA	CAACCATAAC
	AAGAACCCGA	GGAGGTGCAT	GTCATAGCTC CAGTATCGAG	GTTATTAGTA	GGAGACCGTA	. TCACTTGTGC	AGGGGGGCGC	AATGACGTCC	GICTIGCCCC	TOGICACICA
2901	GTCAGGCTGT CAGTCCGACA	GGAGGGAGCC	CCAGGCCCAC GGTCCGGGTG	CCACCAGGGG GGTGGTCCCG	TOTGAACTCA AGACTTGAGT	CCTTGGGGCT	TGCACTGCTC	CATGTAGTCG GTACATCAGC	GCACAGCAGC CGTGTCGTCG	TCTGATAGTA AGACTATCAT

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		AGCAGTGTGA	CTGTGAAGAA	CGACCGGTAC		ACGTCGCCGG	GAACGTACTG	AGATACCCTC		CAAATGTCGG
3101	CAATCTAGGG	CACCTGCCCA	ACCTGCACTT	CCCTAGGTAC	CCACCAATCC	CCTCCCACAC	CTTGGTCAGC	CAGAGAAACC	CATGCCACCA	GGGCTAGTAT
	GTTAGATCCC	GTGGACGGGT	TGGACGTGAA	GGGATCCATG	GGTGGTTAGG	GGAGGGTGTG	GAACCAGTCG	GTCTCTTTGG	GTACGGTGGT	CCCGATCATA
320 <u>1</u>	GAAAAAGGGC	CTCAGGGGTG	CCATGGCAGG	CCTCTAGCCC	AGGCCTTGG	CAAGCTGGGC	GCGGAGCTTC	TGGAATCTCG	CTGTCCTGCC	TGAAAAAAGA
	CTTTTTCCCG	GAGTCCCCAC	GGTACCGTCC	GGAGATCGGG	TCCCGGAACC	GTTCGACCCG	CGCCTCGAAG	ACCTTAGAGC	GACAGGACGG	ACTTTTTTCT
3301	AGCAGACTGA TCGTCTGACT	AGAAGAGTTC TCTTCTCAAG	CTAGTTCCCT GATCAAGGGA	GGGTTTCTGC CCCAAAGACG	CCTTTATTTG GGAAATAAAC	CTCATCCTCT GAGTAGGAGA	GGCCCAGCCC	CATTGCCCTC GTAACGGGAG	CTCCAAACAC GAGGTTTGTG	AGCTGCAGCA TCGACGTCGT
3401	AAGGGTCACA	TTCCCAGAAC	CCCAGCCCCA	GGAGAGCTGG	GAAACAGAAA	ACCCTCGCCA	AGACCAAAGT	CAGTAGGGTC	ACGGGCAGGA	GGGATAACAC
	TTCCCAGTGT	AAGGGTCTTG	GGGTCGGGGT	CCTCTCGACC	CTTTGTCTTT	TGGGAGCGGT	TCTGGTTTCA	GTCATCCCAG	TGCCCGTCCT	CCCTATTGTG
3501	GCTTAGCTTA	GCTGGGGAGG	TOGAAAGAAG	CATGIGITGI	CACCCTCTGA	GCCAGTCCCG	TTAATCTCCC	TGAGCCTTAC	TTTTTATAAA	GTGGGACCAT
	CGAATCGAAT	CGACCCCTCC	ACCTITICTIC	GIACACAACA	GTGGGAGACT	CGGTCAGGGC	AATTAGAGGG	ACTCGGAATG	AAAAATATTT	CACCCTGGTA
3601	GGTGCCTTGC	CTCATCAGGT	GTTGAGAGAT	TCCGTGAGCT	AGAACAGACA	AAACGTTTCG	TGCCTGGAGT	AGCTTCCAAC	TCATTCCCAT	AAGCCGTTAT
	CCACGGAACG	GAGTAGTCCA	CAACTCTCTA	AGGCACTCGA	TCTTGTCTGT	TITGCAAAGC	ACGGACCTCA	TCGAAGGTTG	AGTAAGGGTA	TTCGGCAATA
3701	CGATTTACTG	TTTGATCAGG	CTAGGTGCTT	GTCCCATCCT	ACCCCCCCCT	TCGAATCTGG	ATTTTTGGGG	CAAGAAGGGG	GGTTGGGGGA	GAGCTGGCAA
	GCTAAATGAC	AAACTAGTCC	GATCCACGAA	CAGGGTAGGA	TGGGGGGGCGA	AGCTTAGACC	TAAAAACCCC	GTTCTTCCCC	CCAACCCCCT	CTCGACCGTT
3801	GCACTITIGGG	GGAGGITITIC	TTTTCTTCTC	ATAAAAGAAC	AAAGCTTCAT	TTCTGGCCTC	TCCTTGTTCT	CTCTAAGCTG	GGTGTTACAG	CATAGGAAGT
	CGTGAAACCC	CCTCCAAAAG	AAAAGAAGAG	TATTITCTTG	TTTCGAAGTA	AAGACCGGAG	AGGAACAAGA	GAGATTCGAC	CCACAATGTC	GTATCCTTCA
3901	AGTGGGTCAG	AGICTATICT	TCTTTCTTTA	TTTTTTTTAG	ATTTATTTAT	TTTATGTTTT	GTGTATAAGT	GTCTGCTCAC	ATGTGCATCT	GTGCACCACA
	TCACCCAGTC	TCAGATAAGA	AGAAAGAAAT	AAAAAAAATC	TAAATAAATA	AAATACAAAA	CACATATTCA	CAGACGAGTG	TACACGTAGA	CACGTGGTGT
4001	TGCATGTCTT	GTGTCTATGG	AGGTCAGAAG	AGGGCTTTGA	ATACCCTGGA	ACTGGAGTTT	TGAACAGTTA	TGAGCTGCCG	TGTGGATGCT	GAGAATCAAA
	ACGTACAGAA	CACAGATACC	TCCAGTCTTC	TCCCGAAACT	TATGGGACCT	TGACCTCAAA	ACTTGTCAAT	ACTCGACGGC	ACACCTACGA	CTCTTAGTTT
4101	CCCAGGTCCT	CTGTAAGAAC	AAGTACTCTT	AAAGGCTGAG	CCATCTTTCC	AGTCCCAGAG	CCCATTCCTG	AGGCTTTCAC	TAATCCATTG	ATCCTCGGGG
	GGGTCCAGGA	GACATTCTTG	TTCATGAGAA	TTTCCGACTC	GGTAGAAAGG	TCAGGGTCTC	GGGTAAGGAC	TCCGAAAGTG	ATTAGGTAAC	TAGGAGCCCC
4201	GACCACCCTG	GCCACACCTT	CAATGACCTC	ATTTATTTA	AAAAAAAAA	GGACTCATTG	GGCATACTTT	CTAGACTCAC	ATACTAAGTG	GGATTTCTCT
	CTGGTGGGAC	CGGTGTGGAA	GTTACTGGAG	TAAATAAAAT	TTTTTTTTA	CCTGAGTAAC	CCGTATGAAA	GATCTGAGTG	TATGATTCAC	CCTAAAGAGA
4 301	ATAAAGAAGT TATTTCTTCA	GCTCACTGGG CGAGTGACCC	GTAGAGTGCC CATCTCACGG	AGGTTTTGGG TCCAAAACCC	CCAAATTCCA GGTTTAAGGT	AGCACTGGCA TCGTGACCGT	CACTTCTGAA GTGAAGACTT	GCCCCTCCGT	TTTCTGTTCT AAAGACAAGA	GTAATCACAG CATTAGTGTC
4401	GCGAGCGTGC	CTTTGGTGTC	TCTTCTCTAT	GGACCGCAGT	AGTCTCAGCG	GCAAAATGAA	ACACTAAATT	TTACTCCCTA	CAGACGCGTG	AAGCCTAAGT
	CGCTCGCACG	GAAACCACAG	AGAAGAGATA	CCTGGCGTCA	TCAGAGTCGC	CGTTTTACTT	TGTGATTTAA	AATGAGGGAT	GTCTGCGCAC	TTCGGATTCA
	GGAAACCGGC	ATTAAAGGGC	TTTAAGAATC	TCAACTGCGA	TTCTTTAACC	ATCCGGAGGG	GACGTGGATA	CATGTAGCCA	GCTTGCTTCC	ACATTTTGGG
	CCTTTGGCCG	TAATTTCCCG	AAATTCTTAG	AGTTGACGCT	AAGAAATTGG	TAGGCCTCCC	CTGCACCTAT	GTACATCGGT	CGAACGAAGG	TGTAAAACCC
4601	GAGCCGAGCG CTCGGCTCGC	AGCGGTAGGA TCGCCATCCT	AATGGAAGAC TIACCTICIG	AGCTCTTTAC TCGAGAAATG	AGCCCTTTCT TCGGGAAAGA	ACAGCATCTT TGTCGTAGAA	GCACACCACC	AAGGGGAGAC TICCCCTCTG	TGGGGAGAGG ACCCCTCTCC	AGGCGGAGCC TCCGCCTCGG
	AGGTGTGGGG TCCACACCCG	GTGGCTGGAG CACCGACCTC	ACCTGGGGTA TGGACCCCAT	GGCTTGCGCC	TGCGTCGGGG ACGCAGCCCC	GCGGAGCCCG	TGAAACCTAG ACTTTGGATC	AGGCGGGGGG	TCAAATCCTT AGTTTAGGAA	GACTCTGCTG CTGAGACGAC
4801	CTCAGAGGCG GAGTCTCCGG	TGGTTGCTGT ACCAACGACA	TGAGCATCTT ACTCGTAGAA	AGCTCCGCTG TCGAGGCGAC	TGCTTAGATT ACGAATCTAA	GGAGCAGCGC	TITGTTCCGG	GCACCGGCGT CGTGGCCGCA	CTCTACCCTC GAGATGGGAG	CCGCGTCTGG
4901	TOCATGCTTO	TCTCTCCCTT	CATGCCCTTC	CTAAGTCGCT GATTCAGCGA	GAGTCCCGGA CTCAGGGCCT	GCTGCCCTCC CGACGGGAGG	TCCTTCTGCT	TCTACACTTC AGATGTGAAC	TAGCCCAGCA ATCGGGTCGT	CCTTTACCGG GGAAATGGCC

FIG. 3C-2

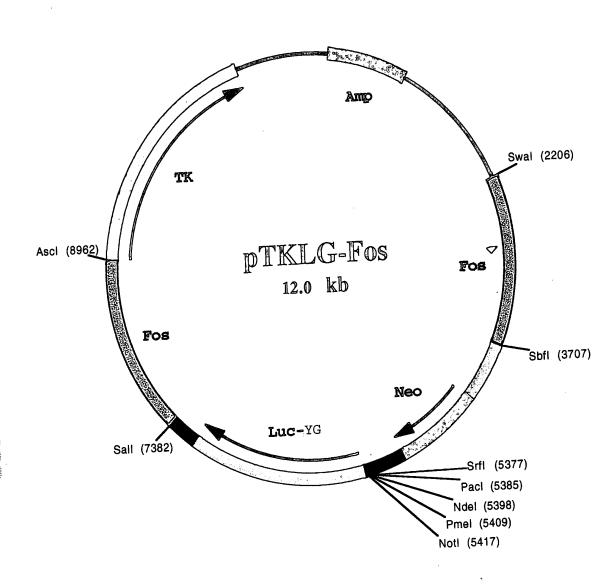


FIG. 4A

		•																	
1 60	AGCTGGGC TCGACCCG	AAACGI	TGGC G	ATGCCGG	TG CAA	GTATAT	ACCCG TGGGC	CTCCT CACCA	TAGCA ATCGT	GAAGC CTTCG	TGAGA! ACTCT	ACTTT T	PAGCCG ATCGGC	AAAG CO	CGGCT	CCCT A GGGA I	AGCCC TCGGC	HAGC TTCG	
CG	TCGACCCG	11100		200000	DA AAAT	TCCAGA	GAAGC	TTCCA (GAGCC	TCCTC	CICIT	CCCIC	MAGGAA	GTTT T	CCTGA	CGTT	AGGC	TCAG	
ra.	CCGLICAL			## CCCCC	MYG AACI	CCCGGTC	ACGCT	GCCTC	CCCCI	CCTGC	CGAAC	CATTC	CCCCI	NGGGC A	CGCAT	TTCG (ACTG	CGCGA	
T	GGAGGIGG	GICGI		~~~~	TAC AGG	CCGCAGC	CCCTC	CCCCC	GCCCC	CCCCC	TGACG	TCCGG	CCTCC	AAGAT A	AAAC	TTGC	GCTC	CCCTC	
	TIAGGAGG	CAUAC	cocke (CONTRACT	TTG TGA	TIGGCTG	TCGCC	CCCAG	CTTT	AGCCAA	TCAGO	CAACC	GAAGG	ATAAA C	ATCT	CCCAT	CGAGG	GAAGG	
С	AACGATICC			CONTROLLIC	നാദ ദ്വേ	TCCAAGA	GGAG	AGCTAG	GATT	CTTGTC	GCGA'	CCCCCT	CICGI.	ACAGT (GGGT	ACCAG	ACGCT	CCTGA	
A	ACGAAAAA	ACCAM		TO ATTA AC	CTA GAC	GCTTTTG	GCTG	agtgtt	AGCG	CCTCTA	AGGG	GAACT	CTTCC	GGAGT	AGGAA	GAGTC	CGIG	GTATA	
A	CACACCIG	, ALCAG		CACTCAC	ארר חוונ	CGAGGTG	TTCA	AACACT	AGAT	GAGCTA	GCCT	ACGGAG	AGGCA	CCCIC	CACCA	GAGAT	TTTC	CAGACG	
1	GCACGAGG	A CICG	MUCCOLL	CHESTAL	CCC AG	GGATTCAG	CCCI	TCCCTC	GCCA	CCCCCC	CTAG	AGTAGT TOTAL	ATTCC	GAGAT	CCTA	GTGA	ACGC	CTICC	
(AAGGGAAT	CAAGG		CACCOM		GGACGCAC	ATCC	TATGIC	ACCC	CATCCC	CIGO	AAGACA	CAGAC	TCTCT	AAGA	3CGACA	GTGA	aaagag	
•	coccur			Contrain	ACTC TC	ACTGGGA	A GAG	ACAGACA	CIC	GAAGG	ATGC	TCTCAA	CICI	ATCCGG	CCAG	GGGGTT	GTGG	CAACCT	
	ACGGATAG	CARGI		0.000	መርኔጥ ርር	ACTGGGG	GTG	TGTTTG	GIG	TGAGTG	G AGAC	GAAGGC	: TIGG	CIAMOG	GGAG	AGGGAG	AGGG	AGGGAG	
	TGACCC TAL	3A GGCG		1000000	YP ATEYP	TGTGTGT	G AAT	GICIGI	GCT	CCATCC	C GGG	AGITIGI	CACC	TCCAAG	ACAG	GTCGGA	GGA	AGGGTG	
F	CCACCCCC	CC ACAC	CTAAGA	GTCACC	AACC CO	GGGTGTG	A TIC	ACCACC TGGTGG	C GCT G CGA	GGAACC CCTTGG	G TGC C ACG	TTGGAA	A GGGG	CICCIT	CTTC	CICCIC	CAT	TOOCT	
1.2 9	CCIVILLA	ייטו טט	30ur								~ ~~	MAIAIAIA A J	717.711	MALALAC					
Ī	TGTGCTCA	CT CAC	AGGGTC	G GTCTC	TCTTA T	CICICITY GAGAGAA	C CCC	TGIGIGIG	T GTO	CCACC	T TIG	AAACAC	A CAG	ATGCGGA	CAC	ACACAT	A CAG	ACTCGGG ACCCACC	
1601	GTAGGAG	GC GCC	GGTCTC	G GGGAA	ATGCC C	CCGAGGA	AG CA	CGGTTGC	C AG	rggcgr	TA GTC	TIGGIC	G GIO	CIAGAAC	, ICA	CACCUTA	c uci	ACCCCAG	
1701	CTCATCT	CTT CCA	TGGCCC	A GICCC	AGGGG C	TCGGIGA	CC GG	AGGGTC	G AG	GTCGAC	AA CT	GGAATA	AC TGI	ACGGIC	- 110	~~~~	a crei	GAGCCAG	
	GCCTGAG	TGC CTA	CAGCAC	T GGCGG	GGCAA (CCCTTCA	CC AC	CCGGAA	GT TG	GICGIG	TT GG	TGGTCA	CC TGG	ACACAG	A CGC	······	CAG	recented	:
1901	GCCTAGA	AGA CC	CGAGA	AG AGACA	AGTAAG '	LATGAGGC ATACTCCC	GA GI	CCTCAA	CC CI	ACCTCC	TC GG	ATCGAT	CC CIP	CACCCG	W GI		7 GC	ACCACTIC	•
Ē:	TGCCATG	CAT GA	AGATCC	CT AGCA	CAGCAT	AAGCCAG(TTCGGTC(AG TC	CAATAC	GT C	GGACAT	TTG GG	GTCGAG	AG TC	PTCCACC	T CC	310010	מג מכ	GTAAGAGA	
2101	GAGGCC#	GCC TG	TGCTAC	TT ATGG	AGTCCA	CGGACGT	GAC G	TICICIA	GT A	AAAATA	TT TI	CAACCG	GA AC	CCCCIC		03.003.0	תא פיני	CCTTATT	A.
220	LAAGTGAG	CAGT AA	TTTTGT	CA CTTA	ATAGIT TRATERA	CCTCCAA	GGA G	ACTOCGO	GAG T	TCAGAC	TTC C	rigaaa1	IGG TA	AGACCG	31 CA	m> 0000	NG 22	GAAGAAG	A
230	1 TTTGGG	STTC AC	GAGGAA	GG AAGT	TTTCTT	TOCCGAC	TAT C	TCCATG	GGG G	TCTAGA	GTA C	CAGGAAT	rag ag	ACIGAG	1C GA	W10000	70 D	CGAGGAG	т
240	1 AAAGCG	AAGG G	TICGCAG	AG AGC	GAACAA	CCACCGA	CGT	GATTCA	CGT C	CTTGGC	AGC C	TCCCTC	GAC TO	ICIAGC	1G A		~~ m	~TPTRACTGEA	A
250	1 CTGGGG	GIGT C	TTGAGGC	CCG TGC	IGGGAGC ACCCTCG	TGAGACO	GAA	AAGAAG	GGG G	CAAAGA	GIG A	CACGGA	CAC A	GATTIG		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	A TO	TOTOCCCA	C
260	CAGGGG GTCCCC	TCAG T LAGTO A	ATAGGC TATCCG	TGA TGG ACT ACC	AGIGGCI TCACCGA	CCATATO	COTA (GAGICI	GGG T	racggg! raattc:	igaa i icic a	GAAAGC ACCTTCT	TGA C	TTCACT?	AA T	ТААТААТ ИТТАТТА	CA I	TTTGCCTT	IC AG
270	1 ATGTCA TACAG	ACCCT C TGGGA G	CTGGCT GACCGA	AAG AGA	GTCGGAT	AGGAGA	GTTC	GATCTCC CGTAGT	CTCC A	attaagi ccctcc	AGAG T	CAACT	GAT A	CCTCA!	AGT T	TCAGCO AGTCGG	CTT C	GCTGAGA'	I'G AC
28	O1 CTGCC GACGG	ICCAT I AGGTA A	TTTTTT AAAAAA	AGG ACT	CGACCC	ATCTAC TAGATG	GACA	GCATCA TAAGTC	AGTC (GGGAGG CCTTGT	CIGC '	TACTICA TACTICA	AGCT A	TCTACA	GTY C	TGCCGA	ACT T	GAGCTGG ACTCGACC	IG AC
	GGTAG	IMOGN (- Albaile als	TATTER 1	CTCA	GTGCAA	CCCC	CCACAC	ACAA	AACTIC	AIGC C	MACCECE NACCECE	AAC 7	TIGGIC	CCA	CCAGAGA	CT
	CGCGG	GIGGI	100001		NO NOTICE CO	m aacaga	ACCT	CATTAA	AAAC	AACACA	TAAG	CATTAC	CTAC 1	CTC2GT	althi.	TGACA	CAC	<u>AAAAAGAA</u>	ΔA
	GAGGG	ocase .			COLUMN STREET	A GLALAL V	TTTAT	GCTTAT	GTTT	GAGTG	AGTGC	TGGTGC	MCCA (CHOCHC CHOCHC	GTA	TCCTCC	AGTC	TCCCTTT	۱AA
	AAGGA	MAGII			~	e cence	TIGCT	GGCAA!	ICTCC	TICAC	TCAGT	GAGCTA	CAA'I	cccccc.	AAGA	CGGGAA	ATTC	CGTCTCA'	ľGA
:	AGIA	Chhh			~~~~	אייייים אי	AAGTT	GAGAT	TACAA	ATGTT	CACCA	TCACAC	CAGG	CITOGO	CAAG	AACGGA	TAGT	CACTGCA	GGT
3	401 CCTT GGAA' 501 CTCC	TCATGT	CCCCCI	TOCC A	ACCATCT	C TCTCA G AGAGI TT TAGTO AA ATCAG	TICAA TGATG	GGGAA	ATGTT ACCGA	GGCAC	GAGTA	GCATG	CAGAT	CCAGGA'	TTTC AAAG	CTCTTA GAGAAT	CCCC	ACGGTCC TGCCAGG	CCT GGA
3	GAGG	ACGGAT	CGAAGA	AAGGG T	IGGTAGA.	AA ATCAC	ACTAC	CCCTT		CCGIC		_	-						

•									Y.		
	•	CAGTTGGGAG GTCAACCCTC	CTTCGACAGG	TYYGGGGGACC	TAGTCGTCGT	TCTTACATAC	AGTGTGGGGT TCACACCCCA	ACCCGCCCAC	TTCGATGAGA	GTGTGGTCGC CACACCAGCG	ACTGGTCGTT
	3701	TTCTCCTTTC	TCTGTCTCCT AGACAGAGGA	ATGACCTGGC TACTGGACCG	CCTGCTGGGA GGACGACCCT	TCCATTAGGA AGGTAATCCT	AACTGATCAG TTGACTAGTC	CTTGAAGAGG GAACTTCTCC	AAAAGGCAGA TTTTCCGTCT	CGACCTCAGC	CTCTAGCGGC
	3801	AGCTGCAAAA TCGACGTTTT	AGAGAAGGAA TCTCTTCCTT	COCCTGGAGT GCGGACCTCA	TTGTCCTGGT AACAGGACCA	GGCCCACAAA CCGGGTGTTT	CCGGGCTGCA GGCCCGACGT	AGATCCCCTA TCTAGGGGAT	CGAAGAGGGG GCTTCTCCCC	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	CCCCCCTCCC
	3901	CGAGGTGAGA GCTCCACTCT	GATTTGCCAG CTAAACGGTC	GGTCAACATC CCAGTTGTAG	CGCTAAGGAA GCGATTCCTT	GACGGCTTCG CTGCCGAAGC	GCTGGCTGCT CGACCGACGA	GCCGCCCCCT CGCCGGGGGA	CCACCACCGC GGTGGTGGCG	CCCTGCCCTT	CCAGAGCAGC GGTCTCGTCG
	4001	CGAGACGCAC	CCCCCAACCT	GACGGCTTCT CTGCCGAAGA	CTCTTTACAC GAGAAATGTG	ACAGTGAAGT TGTCACTTCA	TCAAGTCCTC AGTTCAGGAG	GGCGACCCCT CCGCTGGGGA	TCCCCGTTGT AGGGGCAACA	TAGCCCTTCG ATCGGGAAGC	TACACTTCCT ATGTGAAGGA
		CGTTTGTCCT	CACCTGCCCG GTGGACGGGC	GAGGTCTCCG CTCCAGAGGC	CGTTCGCCGG GCAAGCGGCC	CGCCCAACGC GCGGGTTGCG	ACCAGCGGCA TGGTCGCCGT	GCGAGCAGCC CGCTCGTCGG	GTCCGACCCG CAGGCTGGGC	CTGAACTCGC GACTTGAGCG	CCTCCCTTCT GGAGGGAAGA
		TGCTCTGTAA	ACTOTTTAGA TGAGAAATOT	CAAACAAAAC GTTTGTTTTG	AAACAAACCC TTTGTTTGGG	GCAAGGAACA CGTTCCTTGT	AGGAGGAGGA TCCTCCTCCT	AGATGAGGAG TCTACTCCTC	GAGAGGGGAG CTCTCCCCTC	GAAGCAGTCC CTTCGTCAGG	CCCCCACACA
		GTGTGGACCC CACACCTGGG	AAACTGAGAA	GACAGACTGG	TGGACGGCGG	AGACGGTAGC	CIGIACIGCC	TICCIGGNOG	MACACACA	Cicara	
		TGTGCCCCGG ACACGGGGCC	CCTCTCCCCCT	CTCGACCACT	GAAACCCCTG	TCCCCCACCC	CGCCCCTACT	TGTGGGGHGG	MCGININGUM	ACAGGACTAT	WHIO110001
		ACTTCTGGGG TGAAGACCCC	TATCTACCGA	CIGACCCACC	CATCCCACCC	CACGITGCGG	GIGGWWCCG	Chamiltonic	1000100100		
		GGTGCAGGGT CCACGTCCCA	CCCAACTCCA	GCTCGACCGT	ACGTGGAGGT	CICICIGGGI	IGCICCITIA	CIGICGIGG	MOGNAMOGEN	411110000	
		CCACCCTCAA GGTGGGAGTT	CCCACGTCCC	ACTGGTTCTA	TCGAGACAAA	ACCIACIONALIC	CCGGWAICGA	CIMMITONNI	TOTARROGET	0.00	
		GACGAATTGA CTGCTTAACT	CGGGGGCTGA	CTCCCTTCAG	CTACGGGGGA	AACCCICAGA	CGMIIGGGI	annouscane	171100111111		
	COURT .	TCAGTCTTTC AGTCAGAAAG	GGAGGACCCT	TTTGACCGAG	TCCAACCTAA	AAAAAGGAGC	MUNCUNIUIC	100000000000000000000000000000000000000	01141010		
	2000	TATTATGCTA ATAATACGAT	ACAGGGAGAG	TGGGAGTGGG	GGTGGGGTCC	GCGGGAACUU	GCAGGAGCAA	CCCGGAATGA	CCMMMCCCC	100100000	
	-	CCTAGAACGA	CCTCGCGAAA	TATGACACTI	ACTUALCAGE	, CIAACGACCC	. 0000000111		+		CCTGGGCCTC
	hIII	GGGAAGAAGG	TGAACGAAGC	AGGGAGGGGA	ACTGTCCCTC	: AATCIGAGCI	TICCIACIOG	TOCIOCOIMO	GOCCHCCOC.		GCCCCAGACT CGGGGTCTGA
		AAAAGAGAAA	TTCAGGAAGG	: GGAAGGGGTC	GGATCCTGC	GIIIGAAGAGC	2 COLOGRACIO	. ICGGGGCGIA	Condition		AATTTTCAGA TTAAAAGTCT
	5401	CTTCAAAAGT	CCCGACTCCC	AAACCGAGG	GATAGGAGC	. ATAMACTIAC	3 GOGIIIAICA	' munceian			AGTTCCCACT TCAAGGGTGA
	155.5	TACCCTGACC	тассттаас	AAGTCAGGG	TICICCICA	A GACAGGGAA	a compartone	MOTOGROCY	CITIE		TCTATTTTCT A AGATAAAAGA CCAAACCCCA
	5601	TTATAACCCC	: TCTACCCGG	G ATGGCGGGC/	A GGGGGCACG/	A CGTACCTIG.	I WWGGTV1000	ACAGGACCC	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		CCAAACCCCA GGTTTGGGGT
	-	CCCCCTYCAT	AAATAGGGA	A AGGACCAAG	GITTITCGI	G AATATAGATA	A ATACATATT	. WILLWIWIW	INIMINCIA	Coccai	CACGCACACG
	5801	CACGCACGCA	L CGCACGCAC	G CTCGAAGGA	A CAAAAGIIC	A CACGACACC	I CAMOIIIIM	Constance			GACAGGGAAA AGACCACTTC
		AACACTGAAA	A AAACAACAA	C AGAGCCGAG	3 AGACCGACA	A CCICIGICA	G GOCCOGRAM	2 OCH PRITICO			AGACCACTTC TCTGGTGAAG AGTGTGACTG
		CTTCTACAGA	A GGTGAGAGT	T ACTGAGACT	a gaggccaga	C AGACAMITA	W GWCCIWWW	a occeronia			A AGTGTGACTG I TCACACTGAC C ATTGACTCCA
		CCACCATCTA	A AAAAATGTT	A GATATAGCA	A CICITAAGA	C CCACCITIA	C MONCINGIC	c iciiccou			C ATTGACTCCA G TAACTGAGGT A CTGGGCAGCT
		ATYYGGGAGTY	G GGTCCGACA	т ааасастаа	A AAAAGTAAA	A CAAAAAAAC	A IMMARCOIG	G ACIGOGGC	c canadice.		A CTGGGCAGCT T GACCCGTCGA A TCTACTACAT
		GGGGAGGGG	G GGAACCAAG	A CGTGACAGC	G GTTATTTT	C GAAAATTT	L JONCHINGO	C CACCCCATA	C GAATCAGAA	CTACAACGG	A TCTACTACAT T AGATGATGTA G ACTAAAAGGA
		CCGAAGGAA	A GTCTTTTTG	C CTCAAACCI	A ACGATCCCI	'I CAGAACGAC	C GIGARICAC	C CIGCOGNII	o cimoreir	•	G ACTAAAAGGA C TGATTTTCCT G GTGAAGGGTC
		TCACCTCTG	A ACGATCCAA	A AGGGTACAA	G GGICCGACC	C GGIGGAIGA	m carcumaca	C CAACACTTA	A GGGCAAGGG	T GTAAAAGCT	G GTGAAGGGTC C CACTTCCCAG G GGCACAACTT
		ACCCTCTTA	A AGTACTAGO	C TTTTCTTA	A TAAGIGGAA	C CCACACGT	AD DESCRIPTION	m CALCUTANT	A GATACCAAG	C GCAAAGATC	G GGCACAACTT C CCGTGTTGAA T GCTATGGGGA
		CATTITACGA	т ссталасту	T CCACCTCC	T ICCCCIAG	T GALLACCIC	W WOICHCHOI	A CACCINOG			T GCTATGGGGA A CGATACCCCT T ACAGGCAATG
		CTCCCGAAC	C ATGTGGTCC	C CICGGICI	C AAAGCACCA	C TOCCATOA	TOTOLOGIA	A CARCETTAG	A CTTACCTCC	T CTCTTCTAG	T ACAGGCAATG A TGTCCGTTAC C CCATCCCAGG
		TACGTCTCA	A GTCTGCGAC	G GAAACITIC	G TGATCTCTC		A CACAACAAC	C ATTO AGAGAG	C CATGGAGGA	G GCAGAACAC	C CCATCCCAGG G GGTAGGGTCC A TTTCTCTTCT
		CACTYCTTCC	T GCGACTCC	CA AAGIICII	C TAGCICI'I	ac criticale.	ic cicriciic	C IMBULLO	011.00100		'A TTTCTCTTCT FT AAAGAGAAGA AT TTGCTCAAGC
	710	1 TTAATAGCA AATTATCGI	A GCCTGGAA T CGGACCTT	AG GATAACTIV IC CTATTGAA	C TOCAGGAGG CG ACGTCCTCC	JA GATGCTCAC	G TCAGCCCAC	C AGATCCCCC	A AGAACCTTT	T CTCTTCCG	TTGCTCAAGC A AACGAGTTCG

•										
	CTCGGTTCCC GAGCCAAGGG	GGTAAGAGCG	AGAAGACI.GT	CGAACAGAAG	GTAATTCACA	GTGTCTCAAG CACAGAGTTC	CGGTGGGATG	AGTCCTGAGG	TTGTGAGACG AACACTCTGC	TGGAAGATAC
*	CTCGAGTTCA GAGCTCAAGT	TTAAAAACAC AATTITTIGIG	AATTGCCTGG TTAACGGACC	TGCCGTGCTC ACGGCACGAG	TCTCCACTGG AGAGGTGACC	CTCAGTTACC GAGTCAATGG	TCAAAAGACC AGTTTTCTGG	AGGGCTAAAG TCCCGATTTC	GIGIGATCAC CACACTAGIG	AACTCTATCC TTGAGATAGG
7401		man 100010	1010100100	CACCOCCACT	CAACAAATGA	ACAAAAATGA TGTTTTTACT	CTAATAATGC	ATGCGTGATT	AAATACATAA	AAGAGCAGAT
7501	CACOOCCAOCA	CCS S SUCCESSION	TA ACCACACA	CACCAAGATC	CTAGAATTTT	GGAGACTAAT CCTCTGATTA	TTAAATCCAT	CTTTGAGATG	CATTTGGTCG	GAAATTCCTG
7601	CCACCAAAAA	8 8 CYTCYTS 8 8 CT	ATTENACACAC	DANTA A ATCAC	AATAGGGGTG	GCTTCAGAGA CGAAGTCTCT	GGTTAACTGC	GCGCTGGTCG	CTTTTGTACA	AGAATGTGAA
7701	mmccacccac	СУУУИТСССУ	тасатастс	CCCCCAAAG	GTGGAATTGA		CGCTAAACAG	CTACAGGTTT	GAAGCCTGCA	CCCCAGACCA
7801	OTTEN OF A TOTAL	myyccyca a	ассастватт	TELEVITA CALL	тататаласс		CTACTTTTTA	CACTTATGGT	CATTATTTGT	GGTATACAGT
7901	2020220022	mmm-s sm-v-m	TABLE A STATE OF THE PARTY OF T	متمامامامامال كالرماء	delichte Material	AACATGTGTT TTGTACACAA	TCCTCACTAA	AGTGTTCCGT	GAATGACTCT	ACTAACTAAA
8001	N A CTUR A CTURC	CAMPANAMANA	איזיא בריבר איזיי	CCATTITICG	AAGCAGCGCC		GTCTCCCTAA	CTAAAAGCAG	AATTTTTTGC	AAAGTGAAAA
8101	CONTRACTOR CONTRACTOR IN	UNIVERSAL PROPERTY.	datable State State	designation of the latest of t	ТААТССАААА	ACTTCTCACG TGAAGAGTGC	CGGCCCATTC	GTAGCAGAAT	TCGAGATTTT	CTGCAAGCGA
8201	CNACCNACAC	mmy macco	mana accesa	COCCOCCA A	GAGCGACACC	TGCCGTTGCT ACGGCAACGA	TTATAGAACT	GCAAGTATGT	AGGGAATCTA	CTGAGTCCCT
8301	1 00m01 m001	CHINCE CA ACC	A A CHIVYYYYYTTI	CACTUTUAGAC	ССТАВАВАСС	ATCCCTTTTT TAGGGAAAAA	ATATTTATGT	GATTAGCCCA	GGGAAACTAA	GGCTCAGACA
8401	TGGATAATAC	CACAGCCGAG	TICTIGTAGC	CCAACTCCCT	AGGGGAAATG	AAACCTACAG	TIGIGGTTTT	AATATGCTTG	GCCCAGGGGC	AGTGGCCCTA
8501	mmccca cca c	TGGCCTTATT	AGCGGAGGTG TCGCCTCCAC	TACCTTGTTA ATGGAACAAT	GAGAAGTGTG CTCTTCACAC	TCACTTGGAG AGTGAACCTC	GCGAGGTTTT CGCTCCAAAA	GAGGTACGTA CTCCATGCAT	TGCTCAAGTC ACGAGTTCAG	TGGCCAGTGT ACCGGTCACA
₡ 8601	GATCCTGGCT	GTCTGCAGAA	CGTGGTCTCC	TTCTGGCTGC	CTTCGGATCA	AGGTGTAGAA	CTCTCAGCTC	CTTCTCCAGC	ACCATGTCTG TGGTACAGAC	CCTGCTTAAT GGACGAATTA
8701	commeconic	mmvcamcac	CATTA ATTCA AC	AVENCE ALL ALCALLES	AAACTGTAAG	TCAGCCCCCC AGTCGGGGGG	AGTTACATGT	TITCTITTAT	AAGAGTTGCA	TATATATATG
. 575	TATGTATATA ATACATATAT	TGTATGTATA ACATACATAT	TATGTATGTA ATACATACAT	TATATATATA ATATATATAT	TATATATAAA	CAGGGTCTCA GTCCCAGAGT	CTCTTTAGCT GAGAAATCGA	CTGGCTGGCC GACCGACCGG	TGAAATTCAC ACTTTAAGTG	TATGTAGCCC ATACATCGGG
8901	N CONTINUO COM	CAACHTTINCAA	CCN NUCTUAL	TOTO A COTTO	TOTOLATOR	ATTACAGGCA TAATGTCCGT	TGAGTCACAA	CAAGCCATTT	AAATCTTATG	ATGACTTATA
9001	1011010101	3 3 3 mC 3 C 3 C T	meetina een	ACTITICACAGA	таалатуут	CTAACCTCGT GATTGGAGCA	TCGCTCCATA	AACAGCCCTA	CCCCACCCTC	CTGGAACTGC
9101	TTTGAGGAAT	GCTGCAGGCT	CTCACAGGCA	CACTCCTCCT	TGGTTAATCI ACCAATTAGA	CTTCAGCCTG GAAGTCGGAC	GTTGCCTTCC CAACGGAAGG	CCCCCCATGT	CCATGTGGCC GGTACACCGG	CAAAGCCTCT GTTTCGGAGA
9201	CARCO CONTROL	man a ama ara	CALIFO CALIFO CALIFO	NCCCTTCCCCC	ACCTEACTE	GTTTAAATAT CAAATTTATA	TAGAAAAGGG	TCACTTTCTC	CCTGCCACAG	ACAACCAAAC
.22.	CACCATATGC	TTGTCACTTA	CTACCTGACT GATGGACTGA	TACTTCCAAT	ATAGATGTCT	TCACAACCTT AGTGTTGGAA	TCTCTGAGCC AGAGACTCGG	TCAGTTTCCC	CACCTGCATA GTGGACGTAT	ATGCATCTGA TACGTAGACT
all.	GACACAGAAT CTGTGTCTTA	TCCCTAGAGC	TGTGGTTCTC	CICATICCIA GAGTAAGGAT	GIGCIGGGAC CACGACCCIG	CCTTTAATAC GGAAATTATG	ATTICCTCAT TAAAGGAGTA	GTTGTGGTGA CAACACCACT	GGGTGGTGG	ACCATAAAAT TGGTATITTA
	ATAAAGGTAA	CTATGAAGTA	TTGACATTA	AAAAGATAAC	: AATACTTATO	ATTACATICG	TAAACACAAA	GGGTCACTAG	AATCTACTGG	CIGIGGAAGA GACACCITCT
	CAGTAAGGTG	GGGTTTCCCC	: AGGGGTGGTC	TICAATICT	r aaggacggia	TCICCTIAGI	GICCCIGGIA	CCTAATIGIG	AACCCAGCIG	TTTTGGGCTG
	GGAAGACCCT	CCGCGATCTC	C GATTACTOTO	: GATGTAGTT	A AAGACTITAA	A AACACACACA	CACACACACA	CACACACACA	CALALALALA	GCCCTGAGTC CGGGACTCAG
	CCCACGACTC	: TATCCGGTC	A CCGAAATCAG	: AAGGACCTG	G GTAATGAGI	GICTIGAGAG	GGGAGIGGAL	TAAGAAACTA	CACTIGIGAL	TGTCTTCATA ACAGAAGTAT
	CACCGCCACC	: GITATCGTC	3 TIGICACTIV	ATTTAAAAT	r TTCATCTIG	GICGACCIC	' AIGITIATA	COTCAAAACT	CAACCCCAC	GATTGTCTAA CTAACAGATT
	ATTGAATTAT	TGTATTGGG	r cricicico	GGGAACCAG	A ACCITIGAA	A TATACGGAG	CATGICCCCI	' IGGGICCC	GITCITCACC	GAGTGGGTGG CTCACCCACC
	CATCCCCTCC	TCCCACCCC	CTCCCATATY	CCCTGAAAG	G CCTATCGTA	A ACTITACAT	TACTICITI	' ATAGATTAT	TITAAACTT	AAAAATGTTA TTTTTTACAAT
	GGGGTCAAA	CCGACCTAG	a gtgatggag	r togtetgae	C GTACACTGA	3 ACGACICIAC	3 ACGGATGAAC	ACGUAGGACC	CACGICITIC	CAATTTTTGG GTTAAAAACC
	TICAATCAA	3 agaagaagg	T AGAACACCT	A AGGTCCCTA	A CTTGAGCCC	A GIAGICCGA	A CCGACGITC	CIGAAIGAA	I. CCMCMGMGG	AGACCCTCTC TCTGGGAGAG
•	CCAAACTAA	A GTTAGATGC F CAATCTACG	T GCACTICAT A CGIGAAGIA	G CCTGACTTT C GGACTGAAA	C GCACTATGT G CGTGATACA	A GATAGAGCAI I' CTATCTCGI'	A TGTCTATAAC F ACAGATATTC	ATCTCCTACA TAGAGGATG	A ATGATATGTA TACTATACA	TATCAAGAGC TATAGTTCTCG
	CAAGTGATG	A GATGGCTCA I CTACCGAGT	G TGGGTAAGA C ACCCATTCT	G CACAGACTG C GTGTCTGAC	C TCTTCCAAA G AGAAGGTTT	G GTCCCGAGT C CAGGGCTCA	r caaatcccac a gritagggio	GTTAGTGTA	A GIGGCTICCA C CACCGAAGG	TICCCTCTTA L AAGGGAGAAT
	TGGAATGTC ACCTTACAG	r gaagactgc a ctictgacg	T ACAGTGTAC A TGTCACATG	T TACATATAA A ATGTATATT	т ааатааата а тттатттат	A ATCTTAAAA T TAGAATTTT	A AAAAAAACC TTTTTTTGG	TOGGCCGGCG	r ggrggcgca A ccaccgcgr	GCCTTTAATC GCGAAATTAG
1070	0010010		C CC2CCCC2	m maranasarin	c caccocaco	C TOCTOTACA	C ACTICACTITICS	ACGACAGCC	A GAACTACAC	A GAGAAACCCT I CTCTTTGGGA

10801	GTCTCGAAAA A	AAAAAGAGA TTTTTTCTCT	GAGAGE G	TGAGAGCGCA ACTCTCGCGT	ATAATCTTAA TATTAGAATT	CATTTCTGTG GTAAAGACAC	GTTGTC. CAACAGAAAC	ZTGTAGTCTA GACATCAGAT	TTCTGATAAG AAGACTATTC	CAATGCTGGC GTTACGACCG
10901	TTGCTCCCAA G									
11001	TOGCAAGCAA G									
11101	ATCCCTCTCT C									

10	20	30	40	50	60	-	80	90	100
AAGCTTGCAGGGAGG	TAGGAGGC	AGECTGTGGCG	TTGATTCAA	GCACCTGGC	TTATCCTCG(GATGAGA1	TCACCAGTC	AAAAACTGTGA	GCTTGA
TTCGAACGTCCCTCC	ATCCTCCG	TCGGACACCGC	AACTAAGTT	ACGTGGACCG	GAATAGGAGC	CTACTCTAGCC	AGTGGTCAG	PTTTGACACT	CGAACT
110	120	130	140	150	160	170	180	190	200
AGGTCTTGGGTGCTT TCCAGAACCCACGAA	'AACATCTA' 'TTGTAGAT	ГТТТТАСАААТ АААААТGТТТА	CTTATTTAG(GAATAAATC(CAACTTAGAAC STTGAATCTTC	TGTGAAATA! SACACTTTAT!	I'TGGAAAGCTA AACCTTTCGAT	CTTAAACCT GAATTTGGA	ICTAAACTCCC AGATTTGAGGG	BAGGAGG
210 ACACTATGAGAATGT	220 TACATTT	230 CTATTCAGTTA	240 TTTTTGAGC	250 AGTAAACAGAT	260 rgaatcaaggi	270 AATATGCCCAT	280 CACATCAAG	290 AGTGCTCCTAA	300 AATGGAC
TGTGATACTCTTACA									
310	320	330	340	350	360	370	380	390	400
TTGCTTGTTATTCAT									
AACGAACAATAAGTA	AATGTCAC	ACCGGGGAACT	GAAAGTAGC	CGTGAGGATC	FTCTTTTGTT.	PTAGGCGGTCT	ACCICGACC	PCTCTACCGAG	FTCGACA
410	420	430	440	450	460	470	480	490	500
TAAGAATACTTATCO ATTCTTATGAATAGO	CTACACAG GATGTGTC	GCCCTGGAGCC CGGGACCTCGG	'AGTTCCCAG('TCAAGGGTC(CACCCACACG(STGGGTGTGC(STGGCTCACA/ CACCGAGTGT'	accatetgtaa Iggtagacatt	CTCCAGTTC GAGGTCAAG	l'AGGAGACCCG ATCCTCTGGGC	TGAGGG
510 TCTTCTGTCTGAAAA	520 CACCAGGC	530 ACGCGTGCGGC	540 TACATACAA	550 ACATGAAAGC	560 AAATACACA	570 САТТАСАТААА	580 ТАААТСТТА.	590 AAAAATGATTO	600 GGGGTG
AGAAGACAGACTTTT	GTGGTCCG	TGCGCACGCCG	ATGTATGTT	GTACTTTCG	TTTATGTGT	GTAATGTATTT	ATTTAGAAT	ITTTTACTAAC	CCCCAC
610	620	630	640	650	660	670	680	690	700
GGGGAAGGAAAAAA	AGGATGTT	AGAAAATCGAT	GTAACTGTT	TTTCCTTTTC	CACAGATCT	aagtagggaag	GAGAACATT	CTCTTACCATO	GAGAAT
CCCCTTCCTTTTTT	TCCTACAA	TCTTTTAGCTA	.CATTGACAA!	AAAAGGAAAA(GTGTCTAGA!	PTCATCCCTTC	CTCTTGTAA	GAGAATGGTAG	CTCTTA
710	720	730	740	750	760	770	780	790	800
AATTGTTTTCATTGC TTAACAAAAGTAACC									
TTAACAAAAGTAACC	GGGGTTCA	BACGATTATCT	CGAACGAIGC	JANG I ACCOM	AGCALICCIA	ACICCOTTICI	nccronnor.		ichchan
810 GCTCAAATGTTGGCT	820	830	840	850	860	870 NAMETEC COTCC	880 מתרתיתית מר	990 התאת מבאת תודה	900
CGAGTTTACAACCGA	TGAGGACA	aaagactgggg	GAAGAGACC	CGTTACACC	GAAAGTTAA?	PTAAAGGGACG	TAGAAAATG	PATAAACTAA	ATTTTTT
			940	950	960	970	980	990	1000
910 TATTTTATTTTATGT	920 AATTGTAT	930 GTATATGCATG							
ATAAAATAAAATACA	TTAACATA	CATATACGTAC	AGTTATTCG	PATACACACA	CACAAAGGTA	CCTTTGGTTCC	GTTGTCTAA	GAGGTCTCGAC	CATCTTT
1010	1020	1030	1040	1050	1060	1070	1080	1090	1100
TGGGCTGTGAGACGC									
ACCCGACACTCTGCC	GGTGACAC	CCACGAGCCTI	GGTTTGAGCC	CAGGACACC.	rrererede.	ICGIGGGIAII	ACGICICCA	INGNGAGICIO	MONIGN
1110	1120	1130	1140	1150	1160	1170	1180	1190	1200
TTAAAATTTCAATTT AATTTTAAAGTTAAA									
1010	1000	1000	1040	1050	1260	1270	1280	1290	1300
1210 GTAGCACAACTTGGT	1220 CTGCTTCA	1230 CATAAAGAATG	1240 GAAAGTCAT	1250 FAAAACACTCA	1260 ATCACACTGT				
CATCGTGTTGAACCA									
1310	1320	1330	1340	1350	1360	1370	1380	1390	1400
GTCTGACTTCCAGGT									
CAGACTGAAGGTCCA	TTGACTCG	GAAGAAAAGGA	.GGATTTCTG	rgt regetare	STGTCTCATT.	ITATTI GAACC	CGTACCACT	CTTCCTTTGTT	IGCGTCC
1410	1420	1430	1440	1450	1460	1470	1480	1490	1500
AGGGCTAGCCAAGTC TCCCGATCGGTTCAC									
1510 AAAACACTTACACGA	1520 AGCAAACA	1530 TGGGGAAGTGC	1540 CATGCAAGC	1550 ATGTGACTGAG	1560 TGGTGGCAA	1570 IGACCGAAACC	1580 ACAGCAGCC	1590 ACTAGAAAAGO	1600 SAAGGGT
TTTTGTGAATGTGCT									
1610	1620	1630	1640	1650	1660	1670	1680	1690	1700
AGTGCGCCACACTGT									
TCACGCGGTGTGACA	TCAACACT	TTTACTTGAAT	'AAGTAAATAJ	\AACTTTTTG(CACATTCTTC	GTTTCTACAGA	AGAAAGGGT	GGATGGAAACG	SCCGTCC
1710	1720	1730	1740	1750	1760	1770	1780	1790	1800
CGAGCACTTCCTGGA GCTCGTGAAGGACCT									
1810 AACAAGTGTGTGTGT	1820 'GTGTGTGT	1830 GTGCGCGCGCA	1840 CGCGCACTC	1850 ACTCCTGCTC	1860 PGTTGAGGTC	1870 CAGTTTTGATG	1880 GTCCCGCCA	1890 GAGGTATATTI	1900 GAGTAT
TTGTTCACACACACA									
1910	1920	1930	1940	1950	1960	1970	1980	1990	2000
CATTTCTCAAGAGCT	TCAGCTGG	GAGACACTGCC	TCTTACTGG	CTGAAGGTC	CTAGCTGAT	PCATCTCCGTT	TGGGCTGGC	GCGCCTTGGG	SATCCTC
GTAAAGAGTTCTCGA	AGTCGACC	CTCTGTGACGG	AGAATGACCO	GACTTCCAG	rgatcgactai	AGTAGAGGCAA	ACCCGACCG	CGCGGAACCCC	TAGGAG
2010	2020	2030	2040	2050	2060	2070	2080	2090	2100
CTATCTCTCCTTCCC GATAGAGAGGAAGGC									
GA TAGAGAGGAAGGC	MI CACGAC	COLNITOTICC	anccereer!	and I Coura	MIIITACAC'	LONNACCIICO		- JAMES AND STREET	

FIG. 5A

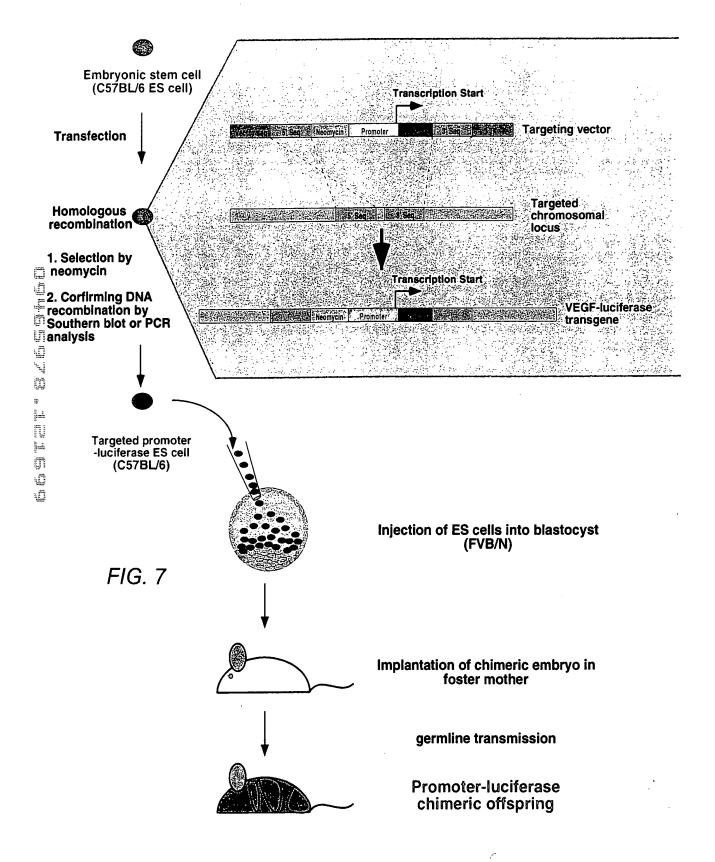
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						Š.		
			2252	2252	222	2200	2290	2300
2210 2220 CCCAAAACAAGTGTAAAGTATT	30	2240	2250	2260 \cccmcammm	CACTGAC	2280 יייבייים אמייים		
GGGTTTTGTTCACATTTCATA								
000111101101101111111111111111111111111	2.000							
2310 2320	2330	2340	2350	2360	2370	2380	2390	2400
CAAAGACGCATCGTTTCCTCTA	AGAATTCTAAA T	GGGGCGATT	ACCACGGGCC'	GCAGGTTCT	GGTTTGTATT	AGAGGAGACA	CTGTCTTCTT	AAGTAAA
GTTTCTGCGTAGCAAAGGAGA	<i>l</i> TCTTAAGATTTA	CCCCGCTAA	rggtgcccgg/	ACGTCCAAGA	CCAAACATAA	CTCCTCTGT	'GACAGAAGAA'	TTCATTT
2410 2420	2430	2440	2450	2460	2470	2480	2490	2500
2410 2420 ACATAGAAGGGGAAGTGTCCAG								
TGTATCTTCCCCTTCACAGGT								
				•				
2510 2520	2530	2540	2550	2560	2570	2580	2590	2600
ATCGTCCCTCCCTCTACCCAG								
TAGCAGGGAGGGAGATGGGTC	l'AGACTGTCGGGA	GGAACCGAGA	AAAACGACTC	CAAACAAACT	CAAACAAAAT	SAGAGACGTT	CTCTTCAAAG	GAATTTG
2610 2620	2630	2640	2650	2660	2670	2680	2690	2700
2610 2620 ATTCTACCCTGTTCACAAGTAA								
TAAGATGGGACAAGTGTTCAT								
2710 2720	2730	2740	2750	2760	2770	2780	2790	2800
CGATAGGTACACCAAGCAGCC								
GCTATCCATGTGGTTCGTCGG	AAGTATGCCTCAA	AAGTAAGCA	CTCCTCGACT	TATATGTTGT	TTCGATTTAC/	ACTCGTCTGG	TCCGTACGGA	GACGATT
2810 2820	2830	2840	2850	2860	2870	2880	2890	2900
2810 2820 ATGAGGATGCCCACACCAAAC								
TACTCCTACGGGTGTGGTTTG								
2910 2920	2930	2940	2950	2960	2970	2980	2990	3000
ACAAACCCTCCTGGTTTGCCAC	CTGCTTCTGGCA	CCATACTTG	AGGCTTAGGC	CGTGATAAA	GGAGCATGCC	PGTTTCCCCC	CTTATTTTTT	TTAAAGA
TGTTTGGGAGGACCAAACGGT	3GACGAAGACCGT	GGTATGAAC!	rccgaatccg:	TTTATOACTATTT	CCTCGTACGG	ACAAAGGGGG	GAATAAAAAA.	AATTTCT
	2020	2040	2050	2050	2070	3080	3090	2100
3010 3020 AAAGCACCATGTTACATCATT	3030	3040	3050	3060	3070 സമമനഗനമെന്ന			3100
TTTCGTGGTACAATGTAGTAA								
111cologiaciani giagiani	indincolnine	, i chichii chii	110111000111					
3110 3120	3130	3140	3150	3160	3170	3180	3190	3200
TAAACTATCATTCTAAATGCA								
ATTTGATAGTAAGATTTACGT	AAACCAAAAACG G	TCCTCATTT.	rgtacagtgt'	rctataaaca.	ACAGTAAAGG	STCCGCACCI	TCCTTTCCTT	ACCTTTC
	2020	2040	2050	2060	2270	2200	2200	2200
3210 3220 AAAACGAGGGGTGAAGGCTGC	3230	3240	3250	3260	3270 cecececes	3280 \	3290 .magaa.ccam	3300
TTTTGCTCCCCACTTCCGACGA								
1111GCTCCCCACTTCCCACC	1010101101101110							
3310 3320	3330	3340						
TTGTTCCTACACTGGCGCCTC		2240	3350	3360	3370	3380	3390	3400
TIGITCCIACACIGGCGCCIC.	OTOKAKBAKODOJ							
AACAAGGATGTGACCGCGGAGA		TCCCTTCTC	PTCCCCCCAA	CATATCTTG	GCTGAAAGGT	CAGCTCTGAA	AAGGGGCCTG	GCCAAAG
AACAAGGATGTGACCGCGGAGA	ACCGTTCTTTGAG	TCCCTTCTC GAGGGAAGAGA	PTCCCCCAA(AAGGGGGGTT(GCATATCTTG CGTATAGAAC	GCTGAAAGGT(CGACTTTCCA(CAGCTCTGAA GTCGAGACTT	AAGGGGCCTG TTCCCCGGAC	GCCAAAG CGGTTTC
AACAAGGATGTGACCGCGGAGA	ACCGTTCTTTGAG 3430	TCCCTTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT	TTCCCCCCAAC AAGGGGGGTTC 3450	GCATATCTTG CGTATAGAAC 3460	GCTGAAAGGTC CGACTTTCCAC 3470	CAGCTCTGAA GTCGAGACTT 3480	AAGGGGCCTG TTCCCCGGAC	GCCAAAG CGGTTTC 3500
AACAAGGATGTGACCGCGGAGA 3410 3420 TTACTGTAGGGGACCGTGGTCA	ACCGTTCTTTGAG 3430 ATGGAACTGGGTA	ETCCCTTCTC EAGGGAAGAGA 3440 AGACAAAAGCA	TTCCCCCAAC AAGGGGGGTTC 3450 ACTCTAGCAG	SCATATCTTG CGTATAGAAC 3460 CCACTGGAGA	GCTGAAAGGT(CGACTTTCCA(3470 AGGACCGGGG	CAGCTCTGAA GTCGAGACTT 3480 GCTCTTCTCT	AAGGGGCCTG TTCCCCGGAC 3490 CTGCATTTGC	GCCAAAG CGGTTTC 3500 CCTGGAG
AACAAGGATGTGACCGCGGAGA	ACCGTTCTTTGAG 3430 ATGGAACTGGGTA	ETCCCTTCTC EAGGGAAGAGA 3440 AGACAAAAGCA	TTCCCCCAAC AAGGGGGGTTC 3450 ACTCTAGCAG	SCATATCTTG CGTATAGAAC 3460 CCACTGGAGA	GCTGAAAGGT(CGACTTTCCA(3470 AGGACCGGGG	CAGCTCTGAA GTCGAGACTT 3480 GCTCTTCTCT	AAGGGGCCTG TTCCCCGGAC 3490 CTGCATTTGC	GCCAAAG CGGTTTC 3500 CCTGGAG
AACAAGGATGTGACCGCGGAGA 3410 3420 TTACTGTAGGGGACCGTGGTCA	ACCGTTCTTTGAG 3430 ATGGAACTGGGTA	ETCCCTTCTC EAGGGAAGAGA 3440 AGACAAAAGCA	TTCCCCCAAC AAGGGGGGTTC 3450 ACTCTAGCAG	SCATATCTTG CGTATAGAAC 3460 CCACTGGAGA	GCTGAAAGGT(CGACTTTCCA(3470 AGGACCGGGG	CAGCTCTGAA GTCGAGACTT 3480 GCTCTTCTCT	AAGGGGCCTG TTCCCCGGAC 3490 CTGCATTTGC	GCCAAAG CGGTTTC 3500 CCTGGAG
3410 3420 TTACTGTAGGGGACCGTGGTCI AATGACATCCCCTGGCACCAGG 3510 3520 CCCTGACCACCGCCAGCTCCCC	ACCGTTCTTTGAG 3430 ATGGAACTGGGTA FACCTTGACCCAT 3530 FGCATCTCCTTGC	TCCCTTCTC: SAGGGAAGAG 3440 SGACAAAAGC CTGTTTTCG: 3540 CTATGGGTTT	TTCCCCCAAC AAGGGGGGTTC 3450 ACTCTAGCAGC TGAGATCGTCC 3550 TCTGGACCGAC	GCATATCTTG CGTATAGAAC 3460 CCACTGGAGA GGTGACCTCT 3560 GCCAGGCAGG	GCTGAAAGGTY CGACTTTCCAC 3470 AGGACCGGGGC TCCTGGCCCCC 3570 AGTTCACAACC	CAGCTCTGAA GTCGAGACTT 3480 GCTCTTCTCT CGAGAAGAGA 3580 CGAAATGTCT	AAGGGGCCTG TTCCCCGGAC 3490 TGTGCATTTGC ACACGTAAACG 3590 TCTAGGGCTA	GCCAAAG CGGTTTC 3500 CCTGGAG GGACCTC 3600 ATCAGGT
3410 3420 TTACTGTAGGGGACCGTGGTCA AATGACATCCCCTGGCACCAGG 3510 3520	ACCGTTCTTTGAG 3430 ATGGAACTGGGTA FACCTTGACCCAT 3530 FGCATCTCCTTGC	TCCCTTCTC: SAGGGAAGAG 3440 SGACAAAAGC CTGTTTTCG: 3540 CTATGGGTTT	TTCCCCCAAC AAGGGGGGTTC 3450 ACTCTAGCAGC TGAGATCGTCC 3550 TCTGGACCGAC	GCATATCTTG CGTATAGAAC 3460 CCACTGGAGA GGTGACCTCT 3560 GCCAGGCAGG	GCTGAAAGGTY CGACTTTCCAC 3470 AGGACCGGGGC TCCTGGCCCCC 3570 AGTTCACAACC	CAGCTCTGAA GTCGAGACTT 3480 GCTCTTCTCT CGAGAAGAGA 3580 CGAAATGTCT	AAGGGGCCTG TTCCCCGGAC 3490 TGTGCATTTGC ACACGTAAACG 3590 TCTAGGGCTA	GCCAAAG CGGTTTC 3500 CCTGGAG GGACCTC 3600 ATCAGGT
3410 3420 TTACTGTAGGGGACCGTGGTCI AATGACATCCCCTGGCACCAG 3510 3520 CCCTGACCACCGCCAGCTCCCC GGGACTGGTGGCGGTCGAGGGI	3430 ATGGAACTGGGTA TACCTTGACCCAT 3530 PGCATCTCCTTGC ACGTAGAGGAACG	TCCCTTCTC: CAGGGAAGAG 3440 AGACAAAAGC CTGTTTTCG: 3540 CTATGGGTTT: CATACCCAAAA	TTCCCCCAAC AAGGGGGTTV 3450 ACTCTAGCAGG TGAGATCGTCC 3550 TCTGGACCGAC	GCATATCTTG GCTATAGAAC 3460 CCACTGGAGA GCTGACCTCT 3560 GCCAGGCAGG CGGTCCGTCC	GCTGAAAGGTCCGACTTTCCAC 3470 AGGACCGGGGCTCCTGGCCCCC 3570 AGTTCACAACCTCTGCCTGCCCCCTCAAGTGTTGCCCCCCCC	CAGCTCTGAA GTCGAGACTI 3480 GCTCTTCTCT CGAGAAGAGA 3580 CGAAATGTCT GCTTTACAGA	AAGGGGCCTG TTCCCCGGAC 3490 GGGCATTTGC (CACGTAAACG 3590 TCTAGGGCTA AAGATCCCGAT	GCCAAAG CGGTTTC 3500 CCTGGAG GGACCTC 3600 ATCAGGT TAGTCCA
3410 3420 TTACTGTAGGGGACCGTGGTCA AATGACATCCCCTGGCACCACG 3510 3520 CCCTGACCACCGCCAGCTCCCC GGGACTGGTGGCGGTCGAGGGA 3610 3620	3430 ATGGAACTGGGTA FACCTTGACCCAT 3530 FCCATCTCCTTGC ACGTAGAGGAACG 3630	ETCCCTTCTC: EAGGGAAGAG 3440 GACAAAAGC: CTGTTTCG: 3540 ETATGGGTTT: EATACCCAAAI 3640	TTCCCCCAAC AAGGGGGTTC 3450 ACTCTAGCAGC GAGATCGTCC 3550 TCTGGACCGAC AGACCTGGCTC	ECATATCTTG CGTATAGAAC 3460 CCACTGGAGA CGTGACCTCT 3560 CCAGGCAGG CGGTCCGTCC 3660	GCTGAAAGGTCCAGCCCCCCCCCCCCCCCCCCCCCCCCC	CAGCTCTGAA GTCGAGACTI 3480 GCTCTTCTCT CGAGAAGAGA 3580 CGAAATGTCT GCTTTACAGA 3680	AAAGGGCCTG TTCCCCGGAC 3490 TGTGCATTTGC CACGTAAACG 3590 TCTAGGGCTA AGATCCCGAT	GCCAAAG CGGTTTC 3500 CCTGGAG GGACCTC 3600 ATCAGGT TAGTCCA 3700
AACAAGGATGTGACCGCGGGAG/ 3410 3420 TTACTGTAGGGGACCGTGGTC/ AATGACATCCCCTGGCACCACCGCCACCTGCCCCGCGAGGTCCCCCGGGACTGCTCCCCGGGACTGGCGGGGGGGG	3430 ATGGAACTGGGTA TACCTTGACCCAT 3530 TGCATCTCCTTGC ACGTAGAGGAACG 3630 SCCAGATGGACGA	TCCCTTCTC: SAGGGAAGAG: 3440 GACAAAAGC: CTGTTTCG: 3540 TATGGGTTT: SATACCCAAAI 3640 GAAAACAGT:	TTCCCCCAAC AAGGGGGTTG 3450 ACTCTAGCAGG GAGATCGTCC 3550 TCTGGACCGAC AGACCTGGCTC 3650 AGAGGCGTTGC	GCATATCTTG GTATAGAAC 3460 CCACTGGAGA GGTGACCTCT 3560 GCCAGGCAGG GCGTCCGTCC 3660 GCAACCTGGA	GCTGAAAGGTCCGACTTTCCAC 3470 AGGACCGGGGC TCCTGGCCCCC 3570 AGTTCACAACCTCAAGTGTTGC 3670 TAAGCGCCTAC	CAGCTCTGAA GTCGAGACTT 3480 GCTCTTCTCTC CGAGAAGAGA 3580 CGAAATGTCT GCTTTACAGA 3680 CCTTTCTAATT	AAGGGGCCTG TTCCCCGGAC 3490 GTGCATTTGC CACGTAAACG 3590 TCTAGGGCTA AAGATCCCGAT 3690	GCCAAAG CGGTTTC 3500 CCTGGAG GGACCTC 3600 ATCAGGT TAGTCCA 3700 GACGGGG
3410 3420 TTACTGTAGGGGACCGTGGTCA AATGACATCCCCTGGCACCACG 3510 3520 CCCTGACCACCGCCAGCTCCCC GGGACTGGTGGCGGTCGAGGGA 3610 3620	3430 ATGGAACTGGGTA TACCTTGACCCAT 3530 TGCATCTCCTTGC ACGTAGAGGAACG 3630 SCCAGATGGACGA	TCCCTTCTC: SAGGGAAGAG: 3440 GACAAAAGC: CTGTTTCG: 3540 TATGGGTTT: SATACCCAAAI 3640 GAAAACAGT:	TTCCCCCAAC AAGGGGGTTG 3450 ACTCTAGCAGG GAGATCGTCC 3550 TCTGGACCGAC AGACCTGGCTC 3650 AGAGGCGTTGC	GCATATCTTG GTATAGAAC 3460 CCACTGGAGA GGTGACCTCT 3560 GCCAGGCAGG GCGTCCGTCC 3660 GCAACCTGGA	GCTGAAAGGTCCGACTTTCCAC 3470 AGGACCGGGGC TCCTGGCCCCC 3570 AGTTCACAACCTCAAGTGTTGC 3670 TAAGCGCCTAC	CAGCTCTGAA GTCGAGACTT 3480 GCTCTTCTCTC CGAGAAGAGA 3580 CGAAATGTCT GCTTTACAGA 3680 CCTTTCTAATT	AAGGGGCCTG TTCCCCGGAC 3490 GTGCATTTGC CACGTAAACG 3590 TCTAGGGCTA AAGATCCCGAT 3690	GCCAAAG CGGTTTC 3500 CCTGGAG GGACCTC 3600 ATCAGGT TAGTCCA 3700 GACGGGG
AACAAGGATGTGACCGCGGGAG/ 3410 3420 TTACTGTAGGGGACCGTGGTC/ AATGACATCCCCTGGCACCACCGCCACCTGCCCCGCGAGGTCCCCCGGGACTGCTCCCCGGGACTGGCGGGGGGGG	3430 ATGGAACTGGGTA TACCTTGACCCAT 3530 TGCATCTCCTTGC ACGTAGAGGAACG 3630 SCCAGATGGACGA	TCCCTTCTC: SAGGGAAGAG: 3440 GACAAAAGC: CTGTTTCG: 3540 TATGGGTTT: SATACCCAAAI 3640 GAAAACAGT:	TTCCCCCAAC AAGGGGGTTG 3450 ACTCTAGCAGG GAGATCGTCC 3550 TCTGGACCGAC AGACCTGGCTC 3650 AGAGGCGTTGC	GCATATCTTG GTATAGAAC 3460 CCACTGGAGA GGTGACCTCT 3560 GCCAGGCAGG GCGTCCGTCC 3660 GCAACCTGGA	GCTGAAAGGTCCGACTTTCCAC 3470 AGGACCGGGGC TCCTGGCCCCC 3570 AGTTCACAACCTCAAGTGTTGC 3670 TAAGCGCCTAC	CAGCTCTGAA GTCGAGACTT 3480 GCTCTTCTCTC CGAGAAGAGA 3580 CGAAATGTCT GCTTTACAGA 3680 CCTTTCTAATT	AAGGGGCCTG TTCCCCGGAC 3490 GTGCATTTGC CACGTAAACG 3590 TCTAGGGCTA AAGATCCCGAT 3690	GCCAAAG CGGTTTC 3500 CCTGGAG GGACCTC 3600 ATCAGGT TAGTCCA 3700 GACGGGG
3410 3420 TTACTGTAGGGGACCGTGGTCA AATGACATCCCCTGGCACCACG 3510 3520 CCCTGACCACCGCCAGCTCCCC GGGACTGGTGGCGTCGAGGGA 3610 3620 AACTTCGGACGATTTAAAGTTC TTGAAGCCTGCTAAATTTCAAC 3710 3720 CGGGGGATG-CGGTGGCCAAAC	3430 ATGGAACTGGGTA TACCTTGACCCAT 3530 TGCATCTCCTTGC ACGTAGAGGAACG 3630 GCCAGATGGACGA CGGTCTACCTGCT 3730 GCACCCATAAAACA	TCCCTTCTC: SAGGGAAGAG; 3440 SAGCAAAAAGC; CTGTTTTCG: 3540 TATGGGTTT; SATACCCAAA; 3640 SAAAACAGT; CTTTTGTCA: 3740 SAAACTTCCA	TTCCCCCAAC AAGGGGGTTC 3450 ACTCTAGCAGC GGAGATCGTCC 3550 FCTGGACCGAC AGACCTGGCTC 3650 AGAGGCGTTGC AGAGGCGTTGCACCGAACC	GCATATCTTG CGTATAGAAC 3460 CCACTGGAGA GGTGACCTCT 3560 ECCAGGCAGG CGGTCCGTCC 3660 ECAACCTGGA CGTTGGACCT 3760 AACTCACTGC	GCTGAAAGGTCCAAAGGTCCAAAGCCCCAAAGCCCCAAAGCCCTAAAGCCCCAAAGCCCTAAAGCCCCCTAAAGCCCCCTAAAGCCCCCTAAAGCCCCCTAAAGCCCCCTAAAGCCCCCTAAAGCCCCCTAAAGCCCCCTAAAGCCCCCTAAAGCCCCCTAAAGCCCCCTAAAGCCCCCTAAAGCCCCCTAAAGCCCCCTAAAGCCCCCTAAAAGCCCCCTAAAGCCCCCTAAAAGCCCCCTAAAAGCCCCTAAAAGCCCCCTAAAAGCCCCCTAAAAGCCCCCTAAAAGCCCCCTAAAAGCCCCCTAAAAGCCCCCCAAAAGCCCCCCAAAAAAAA	CAGCTCTGAA GTCGAGACTT 3480 GCTCTTCTCT CGAGAAGAGA 3580 CGAAATGTCT GCTTTACAGA 3680 TCTTCTAATT AGAAGATTAA 3780 CCCGAGTACA	AAAGGGCCTG TTCCCCGGAC 3490 TGTGCATTTGC CACGTAAACG 3590 TCTAGGGCTA AAGATCCCGAT 3690 TAAAACATTCA ATTTGTAAAGT 3790 ATCTAGGGTTCA	GCCAAAG CGGTTTC 3500 CCTGGAG GGACCTC 3600 ATCAGGT TAGTCCA 3700 GACGGG CTGCCCC
3410 3420 TTACTGTAGGGGACCGTGGTCA AATGACATCCCCTGGCACCACC 3510 3520 CCCTGACCACCGCCAGGTCGAGGGACTGGTGGGGGTCGAGGGA TGGACTGGTGGCGGTCGAGGGA TGGACACCACCTGAAGTTCTGAAGCTTCTGAAGCCTGCTAAATTTCAAG	3430 ATGGAACTGGGTA TACCTTGACCCAT 3530 TGCATCTCCTTGC ACGTAGAGGAACG 3630 GCCAGATGGACGA CGGTCTACCTGCT 3730 GCACCCATAAAACA	TCCCTTCTC: SAGGGAAGAG; 3440 SAGCAAAAAGC; CTGTTTTCG: 3540 TATGGGTTT; SATACCCAAA; 3640 SAAAACAGT; CTTTTGTCA: 3740 SAAACTTCCA	TTCCCCCAAC AAGGGGGTTC 3450 ACTCTAGCAGC GGAGATCGTCC 3550 FCTGGACCGAC AGACCTGGCTC 3650 AGAGGCGTTGC AGAGGCGTTGCACCGAACC	GCATATCTTG CGTATAGAAC 3460 CCACTGGAGA GGTGACCTCT 3560 ECCAGGCAGG CGGTCCGTCC 3660 ECAACCTGGA CGTTGGACCT 3760 AACTCACTGC	GCTGAAAGGTCCAAAGGTCCAAAGCCCCAAAGCCCCAAAGCCCTAAAGCCCCAAAGCCCTAAAGCCCCCTAAAGCCCCCTAAAGCCCCCTAAAGCCCCCTAAAGCCCCCTAAAGCCCCCTAAAGCCCCCTAAAGCCCCCTAAAGCCCCCTAAAGCCCCCTAAAGCCCCCTAAAGCCCCCTAAAGCCCCCTAAAGCCCCCTAAAGCCCCCTAAAAGCCCCCTAAAGCCCCCTAAAAGCCCCCTAAAAGCCCCTAAAAGCCCCCTAAAAGCCCCCTAAAAGCCCCCTAAAAGCCCCCTAAAAGCCCCCTAAAAGCCCCCCAAAAGCCCCCCAAAAAAAA	CAGCTCTGAA GTCGAGACTT 3480 GCTCTTCTCT CGAGAAGAGA 3580 CGAAATGTCT GCTTTACAGA 3680 TCTTCTAATT AGAAGATTAA 3780 CCCGAGTACA	AAAGGGCCTG TTCCCCGGAC 3490 TGTGCATTTGC CACGTAAACG 3590 TCTAGGGCTA AAGATCCCGAT 3690 TAAAACATTCA ATTTGTAAAGT 3790 ATCTAGGGTTCA	GCCAAAG CGGTTTC 3500 CCTGGAG GGACCTC 3600 ATCAGGT TAGTCCA 3700 GACGGG CTGCCCC
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AACAAGGATGTGACCGCGGAGA 3410 3420 TTACTGTAGGGGACCGTGGTCA AATGACATCCCCTGGCACCAGG 3510 3520 CCCTGACCACCGCCAGGCTCGAGGGACTGGTGGCGAGGGTCGAGGGACTGGTGGCGAGGGATTTAAAGTTCTGAAGCCTGCTAAATTTCAAGGCCCCCTAC-GCGCACCGGTTTCAAGGCCCCCTAC-GCCACCGGTTTCAAGGCCCCCTAC-GCCACCGGTTTCCAAGGCCCCCTAC-GCCACCGGTTTCCAAGGCCCCCTAC-GCCACCGGTTTCCAAGGCCCCCTAC-GCCACCGGTTTCCAAGGCCCCCTAC-GCCACCGGTTTCCAAGGCCCCCTAC-GCCACCGGTTTCCAAGGCCCCCTAC-GCCACCGGTTTCCAAGGCCCCCTAC-GCCACCGGTTTCCAAGGCCCCTAC-GCCACCGGTTTCCAAGGCCCCCTAC-GCCACCGGTTTCCAAGGCCCCCTAC-GCCACCGGTTTCCAAGGCCCCCTAC-GCCACCGGTTTCCAAGGCCCCCTAC-GCCACCGGTTTCCAAGGCCCCTAC-GCCACCGGTTTCCAAGGCCCCCTAC-GCCACCGGTTTCCAAGGCCCCCTAC-GCCACCGGTTTCCAAGGCCCCCTAC-GCCACCGGTTTCCAAGGCCCCCTAC-GCCACCGGTTTCCAAGGCCCCCTAC-GCCACCGGTTTCCAAGGCCCCCTAC-GCCACCGGTTTCCAAGGCCCCCTAC-GCCACCGGTTTCCAAGGCCCCCTAC-GCCACCGGTTTCCAAGGCCCCCTAC-GCCACCGGTTTCCAAGGCCCCCTAC-GCCACCGGTTTCCAAGGCCCCCTAC-GCCACCGGTTTCCAAGGCCCCCTAC-GCCACCGGTTTCCAAGGCCCCCTAC-GCCACCGGTTTCCAAGGCCCCCTAC-GCCACCGGTTTCCAAGGCCCCCTAC-GCCACGCTCCAAGCGCCCCCTAC-GCCACGCTCCAAGCGCCCCCTAC-GCCACCGGTTTCCAAGGCCCCCTAC-GCCACCGGTTTCCAAGGCCCCCTAC-GCCACCGGTTTCCAAGGCCCCCTAC-GCCACCGGTTTCCAAGGCCCCCTAC-GCCACCGGTTTCCAAGGCCCCCTAC-GCCACGCTCCAAGCGCCCCCTAC-GCCACGCTCCAAGCGCCCCCTAC-GCCACGCTCCAAGCGCCCCCTAC-GCCACCGCTCCAACCGCTCAAGCCCCCCCTAC-GCCACGCTCCAAGCCCCCCCCCC	3430 ATGGAACTGGGTA TACCTTGACCCAT 3530 PGCATCTCCTTGAC ACGTAGAGGAACG GCCAGATGGACGA CGGTCTACCTGCT 3730 GCACCATTAAAACA CGTGGTATTTTGT	3440 GACAAAAGCI 3540 TATGGGTTT SATACCAAAI 3640 GAAAAACGTI CTTTTGTCAI 3740 LAACTTCCAI 3840	TTCCCCCAAC AAGGGGGTTC 3450 ACTCTAGCAGC GGACCGGC GGACCTGGCTC 3650 AGACCTGGCTC AGACCGCAACC 3750 AGACCGCAACC 3750 AGTCTCACCAACC 3750 AGTACTGACCG	GCATATCTTG GTATAGAAC 3460 CCACTGGAGA GGTGACCTCT 3560 GCCAGGCAGG GGACCTGGA GGTCGGACCTGA TGAGTGACCT 3760 ACTCACTGC TTGAGTGACG	GCTGAAAGGTCCGACTTTCCAC 3470 AGGACCGGGGG TCCTGGCCCCC 3570 AGTTCACAACC TCAAGTGTTCC 3670 TAAGCGCCTA: ATTCGCGGAT/ 3770 AAGTTTCTGCC TTCAAACACGC 3870	AGCTCTGAA STCGAGACTT 3480 SCTCTTCTCT CGAGAAGGA 3580 CGAAATGTCT GCTTTACAGA 3680 FCTTCTAATT AGAAGATTAA 3780 CCCGGTTACAGA GGGCTCATGT	AAAGGGCCTG TTCCCCGGAC 3490 TGTGCATTTGC CACGTAAACG 3590 TCTAGGGCTA AAGATCCCAAT 3690 CAAAACATTCA TTTGTAAGT 3790 TCTAGGGTTCAC CAGGTTCAC	GCCAAAG CGGTTTC 3500 CCTGGAG GGACCTC 3600 ATCAGGT TAGTCCA 3700 GACGGG CTGCCCC 3800 GGGGTCT CCCCAGA
AACAAGGATGTGACCGCGGAGA 3410 3420 TTACTGTAGGGGACCGTGGTCA AATGACATCCCCTGGCACCACCACCACCACCACCACCACCACCACCACCACCA	3430 ATGGAACTGGGTA FACCTTGACCCAT 3530 FGCATCTCCTTGC ACGTAGAGGAACG 3630 GCCAGATGGACGA CGGTCTACCTGCT 3730 GCACCATAAAACA CGTGGTATTTTGT 3830 GGGCGGATTTTTG	3440 GACAAAAGCI 3540 TATGGGTTT 3540 TATGGGTTT 3640 GAAAACAGTI CTTTTGTCAT 3740 AAACTTCCAI TTTGAAGGTTTTTTGAAGGTTTTTTGAAGGTTTTTTGAAGGTTTTTT	TTCCCCCAAC AAGGGGGTTC 3450 ACTCTAGCAGC TGAGATCGTCC 3550 TCTGGACCGAC AGACCTGGCTC 3650 AGAGGCGTTGC TCTCCGCAACC 3750 AGTACTGACCGCACC CCATGACTGGCTCCGCAACC	GCATATCTTG GCTATAGAAC 3460 CCACTGGAGA GCTGACCTCT 3560 GCCAGGCAGG GCAACCTGGA CGTTGGACCT. 3760 AACTCACTGC TGAGTGACG	GCTGAAAGGTCAAAGGTCAAAGGTCAAAGTGTTAAAGGCCTAAAGTTTGTGCGATTCAAACACGCAAGAGTTTCAAAACACGCAAGAGTTCAAAACACGCAAGAGTTCAAAACACGCAAGAGTTCAAACACGCAAGAGTTCAAAACACGCAAGAGAGAG	AGCTCTGAA STCGAGACTT 3480 SCTCTTCTCT CGAGAAGAGA 3580 CGAAATGTCT SCTTTACAGA 3680 TCTTCTAATT AGAAGATTAA 3780 CCCGAGTACA SGCCTCATGT 3880 SCACTTGCAG	AAAGGGCCTG TTCCCCGGAC 3490 TGTGCATTTGC CACGTAAACG TCTAGGGCTA AAGATCCCGAT 3590 TACTAGGGCTA AAACATTCA ATTTGTAAGT 3790 TCTAGGTTCA TCTAGGTTCA TGTAGGTTCA TGTAGGTTCA TGTAGGTTCA TGTAGGTTCA TGTAGGTTCA TGTAGGTTCA TGTAGGTTCA	GCCAAAG CCGTTTC 3500 CCTGGAG GGACCTC 3600 ATCAGGT TAGTCCA 3700 GACGGGG CTGCCCC 3800 GGGGTCT CCCCAGA 3900 AGGGGCCC
AACAAGGATGTGACCGCGGAGA 3410 3420 TTACTGTAGGGGACCGTGGTCA AATGACATCCCCTGGCACCAGG 3510 3520 CCCTGACCACCGCCAGGCTCGAGGGACTGGTGGCGAGGGTCGAGGGACTGGTGGCGAGGGATTTAAAGTTCTGAAGCCTGCTAAATTTCAAGGCCCCCTAC-GCGCACCGGTTTCAAGGCCCCCTAC-GCCACCGGTTTCAAGGCCCCCTAC-GCCACCGGTTTCCAAGGCCCCCTAC-GCCACCGGTTTCCAAGGCCCCCTAC-GCCACCGGTTTCCAAGGCCCCCTAC-GCCACCGGTTTCCAAGGCCCCCTAC-GCCACCGGTTTCCAAGGCCCCCTAC-GCCACCGGTTTCCAAGGCCCCCTAC-GCCACCGGTTTCCAAGGCCCCCTAC-GCCACCGGTTTCCAAGGCCCCTAC-GCCACCGGTTTCCAAGGCCCCCTAC-GCCACCGGTTTCCAAGGCCCCCTAC-GCCACCGGTTTCCAAGGCCCCCTAC-GCCACCGGTTTCCAAGGCCCCCTAC-GCCACCGGTTTCCAAGGCCCCTAC-GCCACCGGTTTCCAAGGCCCCCTAC-GCCACCGGTTTCCAAGGCCCCCTAC-GCCACCGGTTTCCAAGGCCCCCTAC-GCCACCGGTTTCCAAGGCCCCCTAC-GCCACCGGTTTCCAAGGCCCCCTAC-GCCACCGGTTTCCAAGGCCCCCTAC-GCCACCGGTTTCCAAGGCCCCCTAC-GCCACCGGTTTCCAAGGCCCCCTAC-GCCACCGGTTTCCAAGGCCCCCTAC-GCCACCGGTTTCCAAGGCCCCCTAC-GCCACCGGTTTCCAAGGCCCCCTAC-GCCACCGGTTTCCAAGGCCCCCTAC-GCCACCGGTTTCCAAGGCCCCCTAC-GCCACCGGTTTCCAAGGCCCCCTAC-GCCACCGGTTTCCAAGGCCCCCTAC-GCCACGCTCCAAGCGCCCCCTAC-GCCACGCTCCAAGCGCCCCCTAC-GCCACCGGTTTCCAAGGCCCCCTAC-GCCACCGGTTTCCAAGGCCCCCTAC-GCCACCGGTTTCCAAGGCCCCCTAC-GCCACCGGTTTCCAAGGCCCCCTAC-GCCACCGGTTTCCAAGGCCCCCTAC-GCCACGCTCCAAGCGCCCCCTAC-GCCACGCTCCAAGCGCCCCCTAC-GCCACGCTCCAAGCGCCCCCTAC-GCCACCGCTCCAACCGCTCAAGCCCCCCCTAC-GCCACGCTCCAAGCCCCCCCCCC	3430 ATGGAACTGGGTA FACCTTGACCCAT 3530 FGCATCTCCTTGC ACGTAGAGGAACG 3630 GCCAGATGGACGA CGGTCTACCTGCT 3730 GCACCATAAAACA CGTGGTATTTTGT 3830 GGGCGGATTTTTG	3440 GACAAAAGCI 3540 TATGGGTTT 3540 TATGGGTTT 3640 GAAAACAGTI CTTTTGTCAT 3740 AAACTTCCAI TTTGAAGGTTTTTTGAAGGTTTTTTGAAGGTTTTTTGAAGGTTTTTT	TTCCCCCAAC AAGGGGGTTC 3450 ACTCTAGCAGC TGAGATCGTCC 3550 TCTGGACCGAC AGACCTGGCTC 3650 AGAGGCGTTGC TCTCCGCAACC 3750 AGTACTGACCGCACC CCATGACTGGCTCCGCAACC	GCATATCTTG GCTATAGAAC 3460 CCACTGGAGA GCTGACCTCT 3560 GCCAGGCAGG GCAACCTGGA CGTTGGACCT. 3760 AACTCACTGC TGAGTGACG	GCTGAAAGGTCAAAGGTCAAAGGTCAAAGTGTTAAAGGCCTAAAGTTTGTGCGATTCAAACACGCAAGAGTTTCAAAACACGCAAGAGTTCAAAACACGCAAGAGTTCAAAACACGCAAGAGTTCAAACACGCAAGAGTTCAAAACACGCAAGAGAGAG	AGCTCTGAA STCGAGACTT 3480 SCTCTTCTCT CGAGAAGAGA 3580 CGAAATGTCT SCTTTACAGA 3680 TCTTCTAATT AGAAGATTAA 3780 CCCGAGTACA SGCCTCATGT 3880 SCACTTGCAG	AAAGGGCCTG TTCCCCGGAC 3490 TGTGCATTTGC CACGTAAACG TCTAGGGCTA AAGATCCCGAT 3590 TACTAGGGCTA AAACATTCA ATTTGTAAGT 3790 TCTAGGTTCA TCTAGGTTCA TGTAGGTTCA TGTAGGTTCA TGTAGGTTCA TGTAGGTTCA TGTAGGTTCA TGTAGGTTCA TGTAGGTTCA	GCCAAAG CCGTTTC 3500 CCTGGAG GGACCTC 3600 ATCAGGT TAGTCCA 3700 GACGGGG CTGCCCC 3800 GGGGTCT CCCCAGA 3900 AGGGGCCC
3410 3420 TTACTGTAGGGACCGTGGTCA AATGACATCCCCTGGCACCAGT 3510 3520 CCCTGACCACCGCCAGGCTCGCCCCGGGACTGGTCGAGGGACTGGTGGAGGGACTGGTGAGGGACTTCCAGGACTCCCCTGGAGGCACCAGTTCAGAGCCCCCTACAGCACTAAATTTCAACCGCCCCTACAGCACTACAGCCCCCTACAGCAGCACTGCCAACTGCCAACAGAAGTACGAGGGTTGAGGGTTGAGGGCCCCTACAGAGAGTACGAGAGAGTACGAGGGTTGACGCCCCTACAGAGGGTTGACGCCCCTACAGAGAGTACGAGAGAGTACGAGAGAGTACGAACTACGCCAACTGCCAACAGAGAAGTACGAGGGTTGACGCCCCTACAGAGAGGTTGACGCCCCTACAGAGAGGAGGAGGAGGAGGAGAGGAGGAACTACGCCAACTGCCAACAGAGAAGTACGAGGGTTGACGCCAACTGCCAACAGAGAGAAGTACGAGGGTTGACGCCAACTGCCAACTGCCAACAGAGAGAAGTACGAGGGTTGACGCCAACTGCCAACTGCCAACTGCCAACAGAAGTACGAGGAGGTTGACGCCAACTGCCAACTGCCAACTGCCAACTGCCAACTGCCAACAGAAGAAGTACGAGGGTTGACGCCAACTGCAACTGCCAACTGCCAACTGCCAACTGCCAACTGCCAACTGCCAACTGCCAACTGCAACTGCCAACTGCCAACTGCCAACTGCCAACTGCCAACTGCCAACTGCCAACTGCCAACTGCCAACTGCCAACTGCCAACTGCCAACTGCCAACTGCAACTGCCAACTGCCAACTGCCAACTGCCAACTGCCAACTGCCAACTGCCAACTGCCAACTGCCAACTGCCAACTGCCAACTGCCAACTGCCAACTG	3430 ATGGAACTGGGTA TACCTTGACCCAT 3530 FGCATCTCCTTGC ACGTAGAGGAACG GCCAGATGGACGA CGGTCTACCTGCT 3730 GCACCATAAAACA CGTGGTATTTTGT 3830 GGGGGGATTTTTGCCCCGCCTAAAAAC	3440 GACAAAAGCI 3540 CTATTCCAAAI AGAAAACAGTI AAAACAGTI AAAACAGTI AAAACAGTI AAAACAGTI AAAACAGTI AAAACAGTI AAAACAGTI AAAACAGTI AAAACTTCCAI AAAACTTCCAI AAAACTTCCAI AAAACTTCCAI AAAACTTCCAI AAAACTTCCAI AAAACTCCAI AAAACTTCCAI	TTCCCCCAAC AAGGGGGTTC 3450 ACTCTAGCAGC GGAGATCGTCC 3550 TCTGGACCGAC AGACCTGGCTC AGACCTGGCTCC AGACCTGCACC 3750 AGTACTGACCGC AGACCTGCCAACC 3750 AGTACTGACCGC 3850 AGTACTGACCGC 3850 AGACTTCAGTC	GCATATCTTG GTATAGAAC 3460 CCACTGGAGA GGTGACCTCT 3560 GCCAGGCAGG CGGTCCGTCC 3760 AACTGACTGC TTGAGTGACCT 3860 GCAGCGCGCGAGG GCAGCGCGCGCGCGCGCGCGCGCGC	GCTGAAAGGTCCAAAGGTCCAAAGCCCAAACACGCAAACACACAACA	AGCTCTGAA GTCGAGACTT 3480 GCTCTTCTCT CGAGAAGGA 3580 CGAAATGTCT GCTTTACAGA 3680 FCTTCTAATT AGAAGATTAA 3780 CCCGAGTACA GGCTCATGT 3880 GCACTGAGCC 3980	AAAGGGCCTG TTCCCCGGAC 3490 TGTGCATTTGC CACGTAAACG 3590 TCTAGGGCTA AAGATCCCGAT 3690 TAAAACATTCA TTTTGTAAGT 3790 TCTAGGGTTCA TCAGGTTCAC TCAGGGTTCAC TCAGGGTTCAC TCAGGGTTCAC TCAGGGTTCAC TCAGGGTTCAC TCAGGGGTTCAC TCAGGGGTTCAC TCAGGGGTTCAC TCAGGGGGGTTACC TCAGGGGGGGTTACC TCAGGGGATTACC	GCCAAAG CGGTTTC 3500 CCTGGAG GGACCTC 3600 ATCAGGT TAGTCCA 3700 GACGGGG CTGCCCC 3800 GGGGTCT CCCCAGA 3900 AGGGCCC TCCCCGCG
3410 3420 TTACTGTAGGGGACCGTGGTC/AATGACATCCCCTGGCACCACGACACGA	3430 ATGGAACTGGGTA TACCTTGACCCAT 3530 FCCATCTCCTTGC ACGTAGAGGAACG GCCAGATGGACGA GCCAGATGGACGA GCCAGATGGACGA GCGCCATAAAACA CCTGGGTATTTTG 3830 GGGCGGATTTTTG CCCGCCTAAAAAC 3930 GATGCTTCCCAGG	3440 GACAAAAGCI 3540 TATGGGTTTTGGGTTTTGAAACTTTTGAAGGTTTTTGAAGGTTTTTGAAGGTTTTTGAAGGTTTTTGAAGGTTTTTGAAGGTTTTGAAGGTAAACTTTGAAGGTAAGGTAAACTTTGAAGGTAACCAAGGGAACCC	TTCCCCCAAC AAGGGGGTTC 3450 ACTCTAGCAGC GGACCGAC AGACCTGGCTC 3650 AGACCTGCTCCCCAACC 3750 AGTACTGACCGC 3850 AGTACTGACCGC 3850 AGTACTGACCGC 3850 AGTACTGACCGCCCCCCCCCCCCCCCCCCCCCCCCCCCC	GCATATCTTG GTATAGAAC 3460 CCACTGGAGA GGTGACCTCT 3560 GCCAGGCAGG GCACCTGGA CGTTCGACTGA CGTTGGACCT 3760 ACTCACTGC TTGAGTGACCT 3860 GCAGCGGGA GCAGCGCGA 3960 CCAGCGCGCA 3960 CCAGCGCGCA 3960 CCAGCAGCGCAC 3960 CCTCAGAGCC	GCTGAAAGGTCCGACTTTCCAC 3470 AGGACCGGGGG TCCTGGCCCCC 3570 AGTTCACAACCTCAAGTGTTCC 3670 TAAGCGCCTA: ATTCGCGGATI 3770 AGGTTTCAAACACGC 3870 AGAGAGTTCTCTCAAGACCCCC 3970 CATTACTGCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	AGCTCTGAA TCGAGACTT 3480 GCTCTTCTCT CGAGAAGGA 3580 CGAAATGTCT GCTTTACAGA 3680 TCTTCTAATT AGAAGATTAA 3780 CCCGAGTACA GGCCTCATGT 3880 GCACTTGCAG CCTGAACGTC 3980 TACATTTTACA	AAAGGGCCTG TTCCCCGGAC 3490 TGTGCATTTGC CACGTAAACG 3590 TCTAGGGCTA AAGATCCGAT 3690 TAAAACATTCA TTTGTAAGT 3790 TCTAGGGTCAA 3890 GCTCCTAATG CGAGGATTAC 3990 TTCCACCAGA	GCCAAAG CGGTTTC 3500 CCTGGAG GGACCTC 3600 ATCAGGT TAGTCCA 3700 GACGGGC CTGCCCC 3800 GGGGTCT CCCCAGA 3900 AGCGGGC TCCCGCG
3410 3420 TTACTGTAGGGACCGTGGTCA AATGACATCCCCTGGCACCAGT 3510 3520 CCCTGACCACCGCCAGGCTCGCCCCGGGACTGGTCGAGGGACTGGTGGAGGGACTGGTGAGGGACTTCCAGGACTCCCCTGGAGGCACCAGTTCAGAGCCCCCTACAGCACTAAATTTCAACCGCCCCTACAGCACTACAGCCCCCTACAGCAGCACTGCCAACTGCCAACAGAAGTACGAGGGTTGAGGGTTGAGGGCCCCTACAGAGAGTACGAGAGAGTACGAGGGTTGACGCCCCTACAGAGGGTTGACGCCCCTACAGAGAGTACGAGAGAGTACGAGAGAGTACGAACTACGCCAACTGCCAACAGAGAAGTACGAGGGTTGACGCCCCTACAGAGAGGTTGACGCCCCTACAGAGAGGAGGAGGAGGAGGAGAGGAGGAACTACGCCAACTGCCAACAGAGAAGTACGAGGGTTGACGCCAACTGCCAACAGAGAGAAGTACGAGGGTTGACGCCAACTGCCAACTGCCAACAGAGAGAAGTACGAGGGTTGACGCCAACTGCCAACTGCCAACTGCCAACAGAAGTACGAGGAGGTTGACGCCAACTGCCAACTGCCAACTGCCAACTGCCAACTGCCAACAGAAGAAGTACGAGGGTTGACGCCAACTGCAACTGCCAACTGCCAACTGCCAACTGCCAACTGCCAACTGCCAACTGCCAACTGCAACTGCCAACTGCCAACTGCCAACTGCCAACTGCCAACTGCCAACTGCCAACTGCCAACTGCCAACTGCCAACTGCCAACTGCCAACTGCCAACTGCAACTGCCAACTGCCAACTGCCAACTGCCAACTGCCAACTGCCAACTGCCAACTGCCAACTGCCAACTGCCAACTGCCAACTGCCAACTGCCAACTG	3430 ATGGAACTGGGTA TACCTTGACCCAT 3530 FCCATCTCCTTGC ACGTAGAGGAACG GCCAGATGGACGA GCCAGATGGACGA GCCAGATGGACGA GCGCCATAAAACA CCTGGGTATTTTG 3830 GGGCGGATTTTTG CCCGCCTAAAAAC 3930 GATGCTTCCCAGG	3440 GACAAAAGCI 3540 TATGGGTTTTGGGTTTTGAAACTTTTGAAGGTTTTTGAAGGTTTTTGAAGGTTTTTGAAGGTTTTTGAAGGTTTTTGAAGGTTTTGAAGGTAAACTTTGAAGGTAAGGTAAACTTTGAAGGTAACCAAGGGAACCC	TTCCCCCAAC AAGGGGGTTC 3450 ACTCTAGCAGC GGACCGAC AGACCTGGCTC 3650 AGACCTGCTCCCCAACC 3750 AGTACTGACCGC 3850 AGTACTGACCGC 3850 AGTACTGACCGC 3850 AGTACTGACCGCCCCCCCCCCCCCCCCCCCCCCCCCCCC	GCATATCTTG GTATAGAAC 3460 CCACTGGAGA GGTGACCTCT 3560 GCCAGGCAGG GCACCTGGA CGTTCGACTGA CGTTGGACCT 3760 ACTCACTGC TTGAGTGACCT 3860 GCAGCGGGA GCAGCGCGA 3960 CCAGCGCGCA 3960 CCAGCGCGCA 3960 CCAGCAGCGCAC 3960 CCTCAGAGCC	GCTGAAAGGTCCGACTTTCCAC 3470 AGGACCGGGGG TCCTGGCCCCC 3570 AGTTCACAACCTCAAGTGTTCC 3670 TAAGCGCCTA: ATTCGCGGATI 3770 AGGTTTCAAACACGC 3870 AGAGAGTTCTCTCAAGACCCCC 3970 CATTACTGCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	AGCTCTGAA TCGAGACTT 3480 GCTCTTCTCT CGAGAAGGA 3580 CGAAATGTCT GCTTTACAGA 3680 TCTTCTAATT AGAAGATTAA 3780 CCCGAGTACA GGCCTCATGT 3880 GCACTTGCAG CCTGAACGTC 3980 TACATTTTACA	AAAGGGCCTG TTCCCCGGAC 3490 TGTGCATTTGC CACGTAAACG 3590 TCTAGGGCTA AAGATCCGAT 3690 TAAAACATTCA TTTGTAAGT 3790 TCTAGGGTCAA 3890 GCTCCTAATG CGAGGATTAC 3990 TTCCACCAGA	GCCAAAG CGGTTTC 3500 CCTGGAG GGACCTC 3600 ATCAGGT TAGTCCA 3700 GACGGGC CTGCCCC 3800 GGGGTCT CCCCAGA 3900 AGCGGGC TCCCGCG
3410 3420 TTACTGTAGGGACCGTGGTCI AATGACATCCCCTGGCACCAGT 3510 3520 CCCTGACCACCGCCAGCTCCCC GGGACTGGTGCCCCGGGACTGCCCC GGGACTGGTGCGCTGAGGGI TTGAAGCCTGCTAAATTTCAAC CGGGGGATG-CGGTGGCCAAAC GCCCCTAC-GCCACCGGTTTC 3810 3820 TGTCTTCATGCTCCCAACTGCCACCGGTTTCACCCCGAAGTGCCCCAACTGCCCACCGGTTTCACCCCAACTGCCCCCCAACTGCCCAACTGCCCCCCCC	3430 attagaactagata attagaactagata attagaactagata attagaactagaacga acgtagaacga acgtagaacga attagaacgaacga attagaacgaacgaacgaacgaacacaacaacaacaacaacaa	3440 GACARARAGO 3540 CTGTTTTCG 3540 CTATGGGTTT CATACCARA 3640 GARARACAGTI CTTTTGTCA 3740 LARACTTCCA TTTGAAGGTT 3840 GGTCCCTTGG CCAGGGAACCC CARGGAACCCC	TTCCCCCAAC AAGGGGGTTC 3450 ACTCTAGCAGC GGAGATCGTCC 3550 TCTGGACCGAC AGACCTGGCTC 3650 AGAGGCGTTGC AGAGGCGTTGC 3750 AGTACTGACCGC 3750 AGTACTGACCGC 3850 BACTTTCAGTC 3850 BACTTTCAGTC 3950 BCAGGAAGTCC 3950 BCAGCAAGTC	GCATATCTTG CGTATAGAAC 3460 CCACTGGAGA GGTGACCTCT 3560 GCCAGGCAGG CGGTCCGTCC 3760 AACTCACTGC TTGAGTGACG GCAGCGCGAG GCAGCGCGCG 3860 GCAGCGCGCG TGAGTGACGCGCGCT 3960 TCTCAGAGCC	GCTGAAAGGTCCAAACACACACACACACACACACACACAC	2480 2480 25757777777777777777777777777777777777	AAAGGGCCTG TTCCCCGGAC 3490 GTGCATTTGC CACGTAAACG 3590 TCTAGGGCTA AAGATCCCGAT 3690 ATCTAGGTTCA ATTTTGTAAGT 3790 ATCTAGGTTCA CAGATCCAAGT 3890 CTCCAACAGT 3990 TTCCACCAGA AAAGGTGGTCT	GCCAAAG CGGTTTC 3500 CCTGGAG GGACCTC 3600 ATCAGGT TAGTCCA 3700 GACGGGG CTGCCCC 3800 GGGGTCT CCCCAGA 3900 AGGGGCGC TCCCGCG 4000 AACCGAG
AACAAGGATGTGACCGCGGAGA 3410 3420 TTACTGTAGGGGACCGTGGTCA AATGACATCCCCTGGCACCAGT 3510 3520 CCCTGACCACCGCCAGCTCCCC GGGACTGGTGGCGGTCGAGGGA 3610 3620 AACTTCGGACGATTTAAAGTTC TTGAAGCCTGCTAAAATTTCAAC 3710 3720 CGGGGGATG-CGGTGGCCAAAA GCCCCCTAC-GCCACCGGTTTC 3810 3820 TGTCTTCATGCTCCCAACTGCC ACAGAAGTACGAGGGTTGACGG 3910 3920 AGTGGGCCTCGTGTTTTCTGGTC TCACCCGGAGCACAAAGACCAC	3430 ATGGAACTGGGTA TACCTTGACCAT 3530 FGCATCTCCTTGA ACGTAGAGGAACG 3630 GCCAGATGGACGA GCGTCTACCTGCT 3730 GCACCATAAAACA CGTGGTATTTTGT 3830 GGGCGGATTTTTG CCCGCCTAAAAACA 3930 GATGCTTCCCAGG CTACGAAGGGTCC 4030	3440 GACAAAAGCI 3540 CTGTTTTCG 3540 CTATGGGTTT CATACCCAAAI 3640 GAAAACAGTI CTTTTGTCA 3740 AAACTTCCAI 3840 GCTCCTTGGC CCAGGGAACCC 4940	TTCCCCCAAC AAGGGGGTTC 3450 ACTCTAGCAGG TGAGATCGTCC 3550 TCTGGACCGAC AGACCTGGCTTCACCAAC 3750 AGTACTGACCGC AGTACTGACCGC 3850 AGTACTGACCGC 3850 ACTTTCAGTC TCAAAGTCAC 3950 ACTGACAGTCAC 4050	GCATATCTTG GTATAGAAC 3460 CCACTGGAGA GGTGACCTCT 3560 GCCAGGGAGG CGTCCGTCC 3760 ACTCACTGC TTGAGTGACCT 3860 GCAGCGCGCGA GCAGCGCGCGC 3960 CCAGCGCGCGCT 4060	GCTGAAAGGTCCGACTTCCAC 3470 AGGACCGGGGCTCCTGGCCCCC 3570 AGTTCACAACCTCCAAGTGTTGC 3670 TAAGCGCCTACAACCCGGATZ 3770 AAGTTTGTGCC 3870 AGAGAGTTCCTCAAACACGC 3970 CATTACTGGCCGTAATGACCGCCACCCCCCCCCCCCCCC	AGCTCTGAA TCGAGACTT 3480 GCTCTTCTCT CGAGAAGAGA 3580 CGAAATGTCT GCTTTACAGA 3680 TCTTCTAATT AGAAGATTAA 3780 CCCGAGTACA 3680 CCCGAGTACA 3680 CCCGAGTACA 3680 CCCGAGTACA 3780 CCCGAGTACA 3780 CCCGAGTACA AGACTTCAATT AGAACTTCAAAAAAACG ATGTAAAAATG	AAAGGGCCTG TTCCCCGGAC 3490 TGTGCATTTGC CACGTAAACG 3590 TCTAGGGCTA AAGATCCCGAT 3690 TAAAACATTCA ATTTTGTAAGT 3790 TCTAGGTTCA CCGAGGATTAC 3990 TCTACACGATTCA AAAGTTCAATGC	GCCAAAG CGGTTTC 3500 CCTGGAG GGACCTC 3600 ATCAGGT TAGTCCA 3700 GACGGGG CTGCCCC GGGGTCT CCCCAGA 3900 AGGGGCT TCCCGCG 4000 AACCGAG TTCCCGCG 4100
AACAAGGATGTGACCGCGGAGA 3410 3420 TTACTGTAGGGGACCGTGGTCA AATGACATCCCCTGGCACCAGT 3510 3520 CCCTGACCACCGCCAGCTCCCC GGGACTGGTGGCGGTCGAGGGA 3610 3620 AACTTCGGACGATTTAAAGTTC TTGAAGCCTGCTAAATTTCAAC 3710 3720 CGGGGGATGCGCAAACTGCCAAACGCCCCTACCGCACCGGTTTC 3810 3820 TGTCTTCATGCTCCCAACTGCCAACAGCCCCTACCGCACTGCCAACAGCAGAAGTACGAGGGTTGACGCCCCCCCC	3430 ATGGAACTGGGTA TACCTTGACCCAT 3530 FGCATCTCCTTGA GCATGAGGAACG GCAGATGGACGA GCAGATGGACGA GCACCATAAAACA GCGGCGATTTTTG 3830 GCGCGCATAAAAAC GCGCCTAAAAAC 3930 GATGCTTCCCAGG CTACGAAGGGTCC 4030 GATGCGACTTCCCAGG GATGCGACTTCCCAGG CTACGAAGGGTCC 4030 GATGCGACTTCCCAGG	3440 GACAAAAGC 3540 TATAGGGTTT SATACCAAA 3640 GAAAAACAGTI CTTTTGTCA 3740 AAACTTCCAI 3840 GCTCCTTGGC CAGGGAACCC 4040 GCCCGGCAC	TTCCCCCAAC AAGGGGGTTC 3450 ACTCTAGCAGG TGAGATCGTCC 3550 TCTGGACCGAC AGACCTGGCTC AGACCTGGCTCCCCAACC 3750 AGTACTGACCGC 3850 AGTACTGACCGC 3850 AGTACTGACCGC 3950 AGTACTCACCC 3950 AGTACTCACCC 4050 AGTTCCGGGGGCTTCCCCAACCC	GCATATCTTG GTATAGAAC 3460 CCACTGGAGA GGTGACCTCT 3560 GCCAGGCAGG CGGTCCGTCC 3760 AACTGACTGA ATTGACTGACT 3860 GCAGCGGCGA ACTGACTGC CTGAGTGACCT 3960 CCAGGGCGCGA ACTCACTGCC AGAGTCTCGG CGTCGCGCGCT 3960 CCTCAGAGCC AGAGTCTCGG	GCTGAAAGGTCCGACTTTCCAC 3470 AGGACCGGGGGTCCTGGCCCCC 3570 AGTTCACAACCTTCAAGTGTTCC 3670 TAAGCGCCTAC 3770 AAGTTTCTGCCGATTCTCTCAAACACGC 3870 AGAGAGTTCTCTCAAACACGC 4070 GTGGGCCTGGCCGGTGCCGTGCCGGCGGGCGTGGCCGGGGCGTGCCCGGCGTGCCCGGCGTTCCACCGCCGGTAATGACCGCGTAATGACCGCGTAATGACCGCGTAATGACCGG	AGCTCTGAA TCGAGACTT 3480 GCTCTTCTCT CGAGAAGAGA 3580 CGAAATGTCT GCTTTACAGA 3680 FCTTCTAATT AGAAGATTAA 3780 CCCGAGTACA GGCTCATGT 3880 GCACTTGAGA CCGTGAACGTC 3980 FACATTTTACAGA ATGTAAAAATC 4080 GAAACCGGGA	AAAGGGCCTG TTCCCCGGAC 3490 TGTGCATTTGC CACGTAAACG 3590 TCTAGGGCTA AAGATCCCGAT 3690 TAAAACATTCA TTTTGTAAGT 3790 TCTAGGGTTCA 3890 GCTCCTAATG CCGAGGATTAC 3990 TCTACACGAGA AAAGGTGCTCT 4090 AAACCCAAACC	GCCAAAG CCGTTTC 3500 CCTGGAG GGACCTC 3600 ATCAGGT TAGTCCA 3700 GACGGGG CTGCCCC 3800 GGGGTCT CCCCAGA 3900 AGGGGCC TCCCGCG 4000 AACCGAG TTTGGCTC 4100 TGGTATC
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3410 3420 TTACTGTAGGGACCGTGGTCAATGACATCCCCTGGCACCAGTTGTCCCTGGCACCAGTGGCACCAGTGGCACCAGTGGCACCAGTGGCACCAGTGGCACCAGTGGCACCAGTGGCACCAGTGGCACCAGTTCAAGTTCTAAAGTTCTAAAGCTGGACGAGTGCCAAAAGCCTGCTAAAATTTCAACGCCCCTAC-GCCACCGGTTTCAAGAGTCTCAAGAGTACCAACAGAGTACCAACAGAGTACCAACAGAGTACCAACAGAGTACCAACAGAGTACCAACAGAGTACCAACAGAGTACCAACAGAAGTACCAGAGTTTCTGGTCTCACCGGAGCACAAAAGACCACGCTCGTGTTTTCTGGTCTCACCGGAGCACAAAAAACACCACGAGCAACAAAAACACCAC	3430 ATGGAACTGGGTA TACCTTGACCAT 3530 FGCATCTCCTTGAC ACGTAGAGGAACG 3630 GCCAGATGGACGA GCCAGATGGACGA GCGTCTACCTGCT 3830 GCACCATAAAACA CGTGGTATTTTGT 3830 GGGCGGATTTTTGCCCAGGCTTACCCTGACGCTACGAGGGTCCTACCAGGGTCTACCAGGGTCTACGAAGGGTCCTACGCAGGGTCCTACGCAGGGTCCTACGCTGAACGG 4030 GATGCCTGAACGG 4130	3440 GACAAAAGCA 3540 CTGTTTTCGC 3540 CTATGGGTTT CATACCCAAAA 3640 GAAAACAGTA CTTTTGTCAC 3740 AAACTTCCAA 3840 GGTCCTTGGC CCAGGGACCC 4040 GCCCGGCACA CCGGGGCCGTGC	TTCCCCCAAC AAGGGGGTTC 3450 ACTCTAGCAGC TGAGATCGTCC 3550 TCTGGACCGACC AGACCTGGCTCC AGACCTGGCTCCCAACC 3750 AGTACTGACCGC 3850 AGTACTGACCGC 3850 AGTACTGACCGC 3950 CAGCAAGTCACCCCCAACCC 4050 AGTTCCGGGGCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	GCATATCTTG CGTATAGAAC 3460 CCACTGGAGA GGTGACCTCT 3560 GCCAGGGAGG CGGTCCGTCC 3660 GCAACCTGGA CGTTGGACCT 3760 AACTCACTGC TTGAGTGACG 3860 GCAGCGCGCA 3960 TCTCAGAGCC AGAGTCTCGG 4060 TAGTGGGCGCA TAGTGGGCGCA TAGTGGGGGGA	GCTGAAAGGTCCGACTTCCAC 3470 AGGACCGGGGCTCCTGGCCCCC 3570 AGTTCACAACCTCCAAGCTTCCAAGCCCTACAACCCCGATCCCCACCCCCCCC	AGCTCTGAA TCGAGACTT 3480 GCTCTTCTCT CGAGAAGGA 3580 CGAAATGTCT GCTTCTAATT AGAAGATTAA AGAAGATTAA CCCGAGTACA 3880 GCCGAGTACA CGTGAACGT 3980 TACATTTACAGA ATGTAAAATG 4080 GAAACCGGGA CTTGCCCCT	AAAGGGCCTG TTCCCCGGAC 3490 TGTGCATTTGC CACGTAAACG 3590 TCTAGGGCTA AAAACATTCA ATTTTGTAAGT 3790 TCTAGGTTCA CAGATCAAGT 3890 TCTAAATTCA CAGATCAAGT 3990 TTTCCACCAGA AAAGGTGGTCT 4090 AACCCAAACC TTGGGTTTGG	GCCAAAG CGGTTTC 3500 CCTGGAG GGACCTC 3600 ATCAGGT TAGTCCA 3700 GACGGGG CTGCCCC 3800 GGGGTCT CCCCAGA 3900 AACGGGC TCCCGCG 4000 AACCGAG TTTGGCTC 4100 TGGTATC ACCATAG
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3410 3420 TTACTGTAGGGACCGTGGTCA ATGACATCCCCTGGCACCAGT 3510 3520 CCCTGACCACCGCCAGCTCCCC GGGACTGCTGCCCCGCACCAGCTCCCC GGGACTGCTGCCCAGCTTCCCC GGGACTGCTGCCAGCTTCCCC GGGACTGCTGCCAGCTTCAAATTTCAAC 3710 3720 CGGGGGATG-CGGTGGCCAAAC GCCCCTAC-GCCACCGGTTTC TGTCTTCATGCTCCCAACTGCCAACAGAAGTACGAGGGTTGACGC 3910 3920 AGTGGGCCTCGTGTTTTCTGGTC TCACCCGGAGCACAAAGACCAC 4010 4020 CTGCGTCCAGATTTAAACGACGACCAGCAGCAGCACCACCGCCGACCGCCGCCG	3430 ATGGATCTTTGAG 3430 ATGGAACTGGGTA TACCTTGACCCAT 3530 FGCATCTCCTTGC ACGTAGAGGAACG 3630 GCCAGATGGACGA GCACCATAAAACA GCTGGTATTTGT 3830 GCACCATAAAACA GCTGGTATTTTGC CCCGCCTAAAAC ATGCTTCCCAGG CTACGAAGGGTCC 4030 GATGCTTCCCAGG CTACGATGACCG 4130 GCAGGAGTCCCC GCTCCCTCAGGGG 4230 TAAGCTGTGTTTTC	3440 GACAAAAAGC 3540 GAAAAACAGTT GATACCCAAAA 3640 GAAAACAGTT COTTTTGTCA 3740 AAACTTCCAI 3840 GCCCTTGGGAAACCC 4040 GCCCGGCACA CCGGGCCGTG 4140 CCCCTTCCCC GTGGGGAGGG 4240 CCTTAGATCGC	TTCCCCCAAC AAGGGGGTTC 3450 ACTCTAGCAGG TGAGATCGTCC 3550 TCTGGACCGAC AGAGCCTGGCT AGAGCCTTGCCAAC 3750 AGTACTGACCGC AGTACTGACCGC 3850 AGTACTGACCGC 4050 AGTTCCGGGGC CGTCCGTACCC 4150 AGTACTGCCCCATTACTGGC 4250 CGCGGACCGCC	GCATATCTTG GTATAGAAC 3460 CCACTGGAGA GGTGACCTCT 3560 GCCAGGGAGG CGGTCGTCC 3760 ACTGCACTGC TTGATGACCT 3760 ACTGCACTGC AGAGCTGCCCCAT 4060 PAGTGGGGGA ACTCCCCCT 4160 CCGCCCCCAT GGCGGGGGTA 4260 PACCCGGCAGA	GCTGAAAGGTCCGACTTCCAC 3470 AGGACCGGGGCTCCTGGCCCCC 3570 AGTTCACAACCCGATTCCACGGATT 3670 TAAGCGCCTACTAACCCGATTCCACACCCCACCCCACCC	AGCTCTGAA TCGAGACTT 3480 GCTCTTCTCT CGAGAAGAGA 3580 CGAAATGTCT GCTTTACAGA 3680 TCTTCTAATT AGAAGATTAA 3780 CCCGAGTACAG GCCTCTGCAG CCTGAACGT 480 GAAACCGGGA CTTTGCACCC 4180 GTAGCCGCCCC 4280 CCAGACTGTG	AAAGGGCCTG TTCCCCGAC 3490 TGTGCATTTGC CACGTAAACG 3590 TCTAGGGCTA AAAACATTCA AAAACATTCA ATTTTGTAAGT 3790 TCTAGGGTTCA 3890 TCTAGGTTCA CCGAGGATTAC 3990 TCTACACGAT 4090 AACCCAAACC TTTGGTTTGC TTTGGTTTGG 4190 TCTTTCTTTGGAACAC TTTGGTTTCTTCGGAGAAAACAC TTTGGTTTCGCAAACC TTTGGTTTCTTCGGAGAAAACAC	GCCAAAG CCGTTTC 3500 CCTGGAG GGACCTC 3600 ATCAGGT TAGTCCA 3700 GACGGGG CTGCCCC GGCCCCAGA 3900 AGGGGTCT CCCCAGA 4000 AACCGAG TTCCCGCG 4000 TGGTATC ACCATAG 4200 GCCCTGA CCGGGACT 4300 GCGGATAA

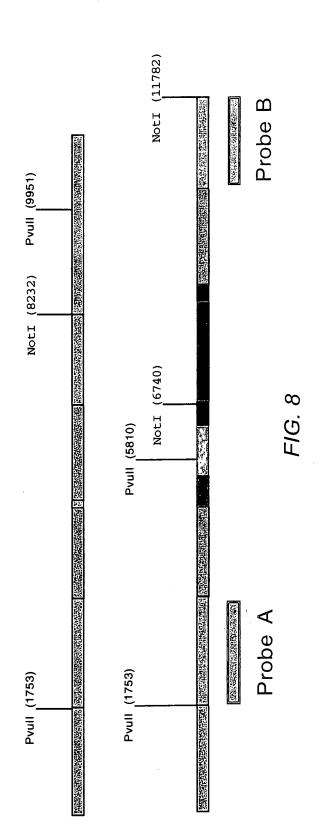
CCTGGCTGACCGATTCCGCGGACACCGCTGCAGCCGGGGTGGAGCCAGGGCGCGGTGCCCCGGGTCTTCCCCGGTCTTTGCGCTGCGGGGGCGCATACGGACCGACTGAGCGACGCTCTGGGCGACGTCGGCGCCACCTCGGTCCGGGGCGAGAGGGGCCAGAACGCGACGCCCCCGGTATG

FIG. 5B

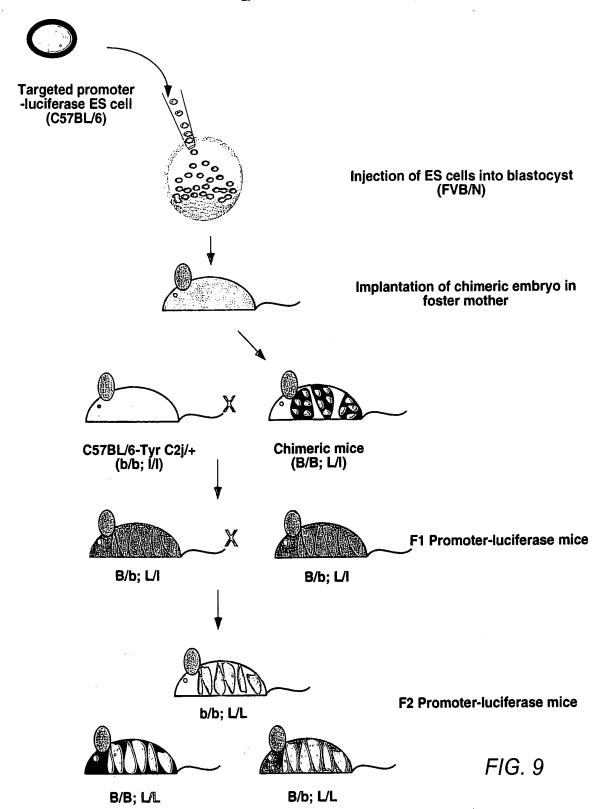
FIG.5C

VEGF	VEGFR2	Tie2
Screening primers	Screening primers	Screening primers
Primers: VF1-VR1A Product size: 0.69Kb	Primers: KF1-KR1 Product size: 0.45Kb	Primers: TF3-TR1 Product size: 0.45Kb
PCR program	PCR program	PCR program
Hot start	Hot start	Hot start
94°C 40 sec 65°C 1 min 30 sec 72°C 1 min 30 sec	94°C 40 sec 58°C 1 min 30 sec 72°C 1 min 30 sec	94°C 40 sec 58°C 1 min 30 sec 72°C 1 min 30 sec
40 cycles	40 cycles	40 cycles
Confirmation primers	Confirmation primers	Confirmation primers
Primers: VF2-VR2 Product size: 0.98Kb	Primers: KF2-KR2 Product size: 0.58Kb	Primers: TF2-TR1 Product size: 0.47Kb
PCR program	PCR program	PCR program
Hot start	Hot start	Hot start
94°C 40 sec 65°C 1 min 30 sec 72°C 1 min 30 sec	94°C 40 sec 65°C 1 min 30 sec 72°C 1 min 30 sec	94°C 40 sec 58°C 1 min 30 sec 72°C 1 min 30 sec
40 cycles	40 cycles	40 cycles





Generation of Targeted Transgenic Mice



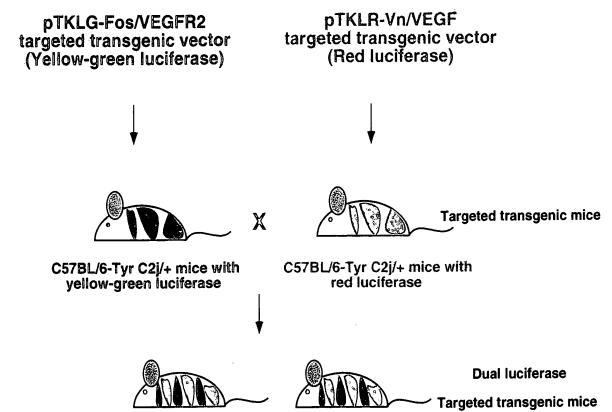


FIG. 10

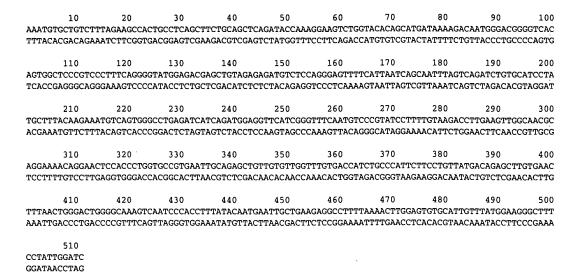
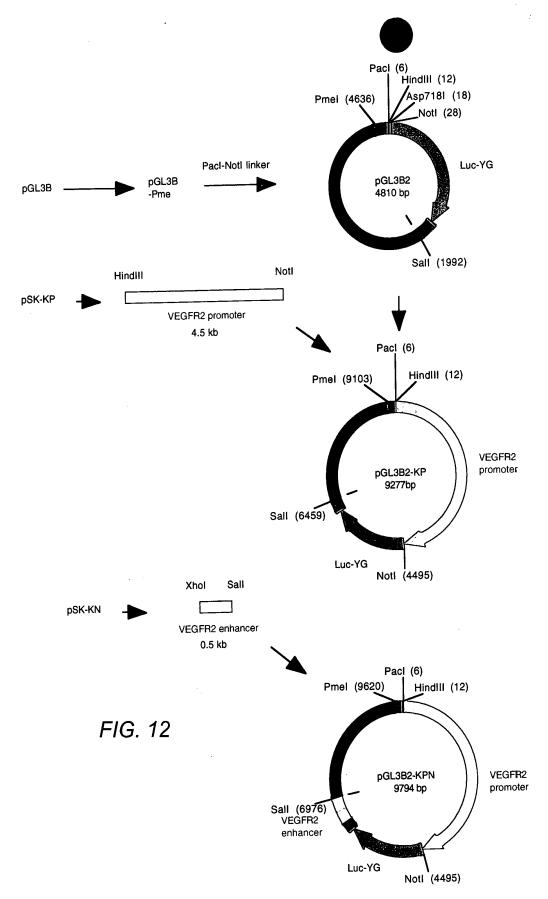


FIG. 11



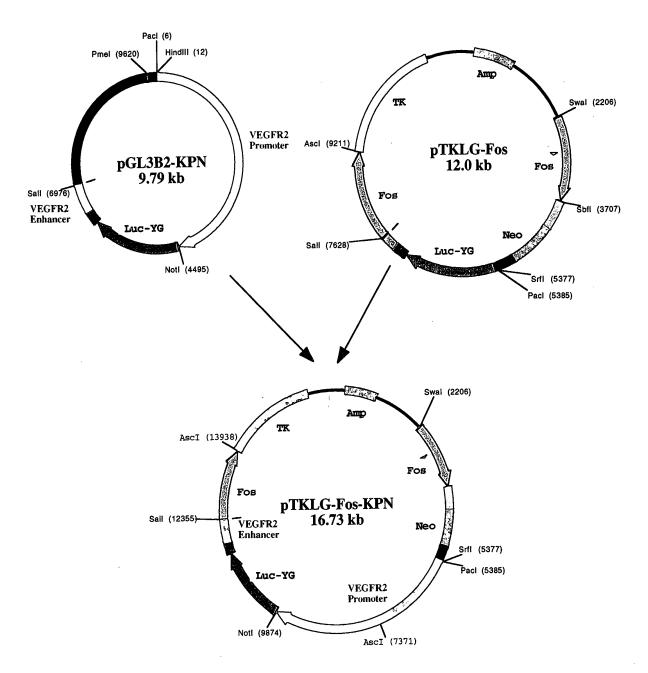
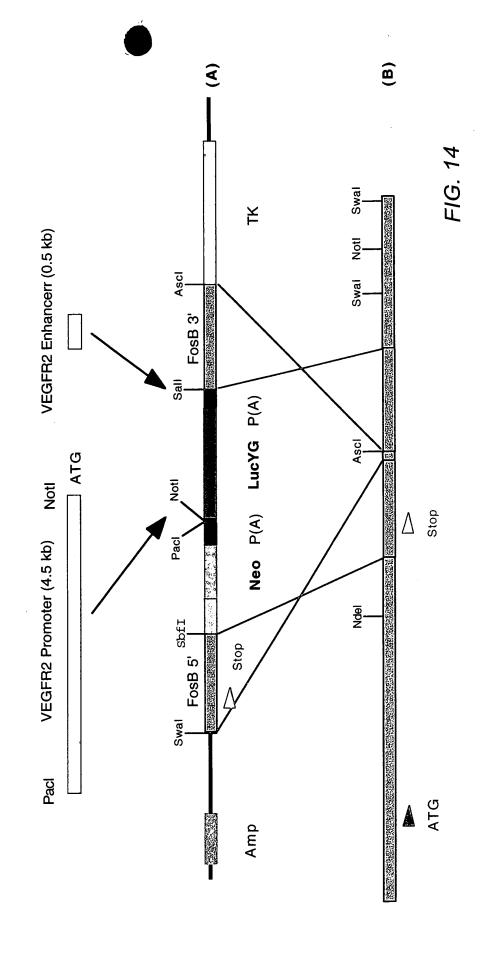


FIG. 13



	la.					B.			
		,							
10 GGTACCAAAGCATAGAA	20 ACTACAGNTO	30 CGCTCTCTGC	40 CTGTACCAC	50 "כידכידים:ברצידים	60 מסמסשממשיי	AATGC DGGT	80 PTTGTTCTTC#	90 ACTTTTCCTC	100 STTAT
CCATGGTTTCGTATCT									
110	120	130	140	150	160	170	180	190	200
GATGCAGTCCCTGGCT									
CTACGTCAGGGACCGA	ACACATTGAT	ACTCGAAGTT	TTCGTTTCTT	IGCGTAGTAGA	TAAAAACAC	AGAGAAGAAG	GTTCCTGAATC	:ACATAGTGA	ATGAC
210	220	230	240	250	260	270	280	290	300
GCTAAATGCTTGAGAC									
CGATTTACGAACTCTG	r-r-r-r-greec	TAATTACTTC	TTCTTTCTC	rrrerrreei	TCCCTTTCAC	JGGGTGTTAA	IGACIGICCC	MAGICATIIC	JGICA
310	320	330	340	350	360	370	380	390	400
CTAGAGGGTCAGGTAT GATCTCCCAGTCCATA									
410	420	430	440	450	460	470	480	490	500
CTTCCTTTGCTGCTAG									
GAAGGAAACGACGATC	AGTGACAATT	CATGACGTCI	AAATGTCTT	rcgaagtacct	CCAGACATT	CTTCGGTCTC	CACTATTGTGG	TTCTAAATCT	CCGCT
510	520	530	540	550	560	570	580	590	600
CTGACCAGCAGAATGC									
GACTGGTCGTCTTACG'	TCTTACAGGT	CCGATACTAG	GTCCAACAT	CTAGGACTAGA	CTGATGAGT	CTGACCAAC'	TTCCGTTCCA.	.GTGAACCTAA	AGTGA
610	620	630	640	650	660	670	680	690	700
CTATTTGCCAGCAGAT									
GATAAACGGTCGTCTA	CAAAATTTAG	GTAGTATATA	TATATATAT	AGAGGTAATGA	AATCCIGIC	ACCAAGAGIC	SGANGGAT IAC	.GACAT CGGGA	MAII
710	720	730	740	750	760	770	780	790	800
TAGAGTTCCTCATATTC ATCTCAAGGAGTATAAC									
ni o i o i o i o i o i o i o i o i o i o									
810 CACATGTTGGGAACCA	820	830	840	850	860	870	880 ממשתיתים בייתות	890 מסמשמת ארא מ	900
GTGTACAACCCTTGGT									
910 ATTCACTTTAAGGTTT	920 САССАТСТТТ	930 сттстстата	940 TGTGATTGTC	950 STAAAGACTTC	960 ACCAGGTCT	970 ГТСТТТААТС	980 ACCATACCTA	990 CATCTTCACO	1000 CACTC
TAAGTGAAATTCCAAA									
1010	1020	1030	1040	1050	1060	1070	1080	1090	1100
CATATCCATCAGCTTC									
GTATAGGTAGTCGAAG	TGGAACATGA	GATCGTAAAC	CCGTAAGTAC	GACATGGTCC	CGTCCGTAG	GTAAGAAAAC	GTTGAGTGTA <i>I</i>	CAAAGGATCA	AAAAC
1110	1120	1130	1140	1150	1160	1170	1180	1190	1200
ATTATTACCAACAATG									
TAATAATGGTTGTTAC	GAAGATCTGG	ТАСТТААААС	CAGAAACTG	AAAACGAACCA	TTTGTAGTA'	l'tttgttagg'	TCACCACCAC	:ACCACGGCGA	ACGAC
		1230	1240		1260	1270	1280	1290	1300
CTGGTGGTGGTAA									
GACCACCACCACCATT	regreeries	GTATTTCACG	GAAATAAGT	TAGACATAAAC	TATGTTTAA	.AATAAAGAA	3GGIACAIII	CIMIACCGIA	IGACI
		1330	1340		1360	1370	1380	1390	1400
AGTGTAGAGGTCTGAA' TCACATCTCCAGACTT									
1011011011011011011									
1410 CGTAAGTATATGAGTA		1430 Съссттъстт	1440 ייייייייייייייייייייייייייייייייייי		1460 '''''''	1470 ACCTACTATG	1480 AAGGGAGATAC	1490 Заассетател	1500 AGGTG
GCATTCATATACTCAT									
1510	1500	1530	1540	1550	1560	1570	1580	1590	1600
1510 : GGGTCATGGGAATAGG									
CCCAGTACCCTTATCC	TTTTGCCACC	TTCCCTCTTC	CTCTTAATTC	GTTTTCGATTA	ATACAAACT'	TTACGGTGT	TACTTTGGATT	'AAATGTTTTC	CTTGG
1610	1620	1630	1640	1650	1660	1670	1680	1690	1700
ACTATATGACCTTCAC	AGTGTGTGCT.	AAGTCTTGGA	GATTTAGTG	STGAAGAAGTC	AGGTGTGTT	rccaatctca			
TGATATACTGGAAGTG'	TCACACACGA	TTCAGAACCI	CTAAATCAC	CACTTCTTCAG	TCCACACAA	AGGTTAGAGT	ACCTCCTACAT	TAGTCAATCT	PCTCG
1710	1720	1730	1740	1750	1760	1770	1780	1790	1800
ACAGGAGCACATAAAA									
TGTCCTCGTGTATTTT	TCTATCCGTT	I PTACATACT	ARTCATGGT	ACATTCTATAC	Trecertic.	.GICCTTTGA	LONGCOCTOTO	GAL TAMATCA	MACT
			1840		1860	1870	1880	1890	1900
GTGGTCTTCAAAGACCC CACCAGAAGTTTCTGGC									
1910 :CAGCTGATTCCCACAT			1940 Састасасач		1960	1970 CAGCTTTTA	1980 AGGAAGGTTTO	1990 TGAGCATGTO	2000 CCAAG
GTCGACTAAGGGTGTA									
2016	2020	2020	2040	2050	2060	2072	2080	2090	2100
2010			2040 :agategaagt		2060	2070 - תודיייתיים א	2080 ~~~~~~~~~		2100 "AACT

 $\tt CTCCAGACATATGGGCCCCGAGTGTTGTGGGAAGCTCTCATTATTGTTCTTTGATTGGTTCTCTACATTCCGAGATCCAAGGAGCAGTTATCTCAGGTAGGAGCTCTGTATACCCAGGAGCACAACCCCTTCGAGAGATAACAAGAAACCTAACCAAGAGATGTAAGGCTCTAGGTTCCTCGTCAATAGAGTCCATCGAGAGAAACTAACCAAGAGATGTAAGGCTCTAGGTTCCTCGTCAATAGAGTCCATC$

2210	2220	0	2240	2250	2260	2270	2280	2290	2300
AGGATCGTGGAATC	TCTGCCCA		AATTTATACC		TACCACATCCT	AAACACGCTG			
TCCTAGCACCTTAG	CAGACGGGT	ACTAATTGAAG'	TTAAATATGG	ACATTCAAT.	atggtgtagga	TTTGTGCGAC	TACAGGGTCT	CTTGTAAAAC	TGGTCGA
2310	2320	2330	2340	2350	2360	2370	2380	2390	2400
GCTAACAAAACCC								TCTTACAGAG	TATGAAA
CGATTGTTTTGGGT	CCTCGTAA	ATCTTTTTTG:	ACTCAGTGGG	TGGCAAGAC	CTATTACTACC	TCTCTTTGTT	TACCCTAATA	AGAATGTCTC	ATACTTT
2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
GTTACATAATTTTC							GAGGTGAAGC	CAATCTTTCC	GGGAAAT
CAATGTATTAAAAC	GACCTATT	ACCTCTTAATT	AATTTGTAGT	CGTAGAAAA	GACCTGACGTC	TCCCTTCTGT	CTCCACTTCG	GTTAGAAAGG	CCCTTTA
2510	2520	2530	2540	2550	2560	2570	2580	2590	2600
GGAGGAGGAAAGAA									
CCTCCTCCTTTCT	PAAACTGAT	GATAAACCCCC	AATTGTTATG	TAGAATGAT	CGTACCGTTTC	CTTTGACCCG	ACGAAAAGTC	TCATTCGGTG	GGGTCAT
2610	2620	2630	2640	2650	2660	2670	2680	2690	2700
GATGCTGCAAGGCT	GTGCTTTC	ATCCCAGGAGA	AAGTCAACAG	GGCCAGGCA	TGCCAGAACAT	GCCCATAATG			
CTACGACGTTCCGA	CACGAAAG	TAGGGTCCTCT	TTCAGTTGTC	CCGGTCCGT	ACGGTCTTGTA	CGGGTATTAC	ATTGGTGAAT	CCGACTCCGT	CTTTCTA
2710	2720	2730	2740	2750	2760	2770	2780	2790	2800
CAAAAATCCCAGG	CAGCTTAG	TTTGTGTAACA	AGACCTTTGC	тсаласала	GATTTACAAAA				
GTTTTTAGGGTCCC	GTCGAATC	AAACACATTGT	ICTGGAAACG	AGTTTGTTT	CTAAATGTTTT	GTTTGTTCGT	TTGTTTGTTT	ATATTTTTC	CTCTTCT
2810	2820	2830	2840	2850	2860	2870	2880	2890	2900
AAATAACTGCCAG	GGAGGCTG								
TTTATTGACGGTCC	CCTCCGAC	ACTCGTTACTT	CTGAACTACT	CACTGGTAG	AGCGTGTCACC	TGCGAACACA	GATCTTCCAT	TCCCGAACCG	TTACAAA
2910	2920	2930	2940	2950	2960	2970	2980	2990	3000
CCCAGGTTTTCCAT									
GGGTCCAAAAGGTA	LAGGACCAA.	ATATACCGAAC'	ICCGGTCACC	TGAAGTGTT	ACAGAGTCGAA	GGTCCAGAAA	TATGTCTCGT	ATAATCGGTG	TACACCA
3010	3020	3030	3040	3050	3060	3070	3080	3090	3100
AGCTTGTGCCTGTA									
TCGAACACGGACAT	TACGACCG	TGAACTCTCTG	STTCTGTCCT	CCTAACGGT	GTTCAGAGGTA	GGTCGGATCC	ACGACACAGT	GAGACAGAGT	GGGGACT
3110	3120	3130	3140	3150	3160	3170	3180	3190	3200
CCCAGTCCCACCCA									
GGGTCAGGGTGGGT	TGTAGTT	GTCCGATAGTG	ACACTGTGAC	CATGACTCA	GTCTTAGTGGG	TCTAATTTCT	AAGACCCTCT	AGTCAGGACC	CCTACGC
3210	3220	3230	3240	3250	3260	3270	3280	3290	3300
GGAAGTGAGACCAG									
CCTTCACTCTGGTC	AATAAATT.	ATTAAGAATAT	SAGTACTCTA	CTACCTAGG	ICIACICITIA	MCATTTTAM	MAICCAMANI	ATTAACTICE	TIAICCA
3310	3320	3330	3340	3350	3360	3370	3380	3390	3400
GGTTTCTTCAGGTT CCAAAGAAGTCCAA									
CCAAAGAAGTCCAA	TGTAGAGA	GGTGACAACCA	JTAAAGTCGA	TTCCAGTGA	3GGGTAACTAA	IGGACAC ICCG	AGAGIGIAGG	GICCAGAGAC	CCIGAMA
3410	3420	3430	3440	3450	3460	3470	3480	3490	3500
CTAGAGGTTCCCGC GATCTCCAAGGGCC									
GATCTCCAAGGGC	ACGAAGGG	ICGGGACIIII	ACGCATAMAG	MINNGINNG	HOGACCGIANG	ACCCGANGAG	лоолспоооо	000001000	711010GA
3510	3520	3530	3540	3550	3560	3570	3580	3590	3600
GATCCTGCCCCCTT		CCTTCTCTCTC GGAAGAGAGAG							
CIAGGACGGGGA	MUNUNUUU	GONDONONON	ni i i i i i i i i i i i i i i i i i i	iodonoodno.	Johonconnoc	OINCIALIE.			011011011
3610	3620	3630	3640	3650	3660	3670	3680	3690	3700
GCATCCTCACTTGG CGTAGGAGTGAACG									
3710	3720	3730	3740	3750	3760	3770	3780	3790	3800
GAGTGCAAACCAGG CTCACGTTTGGTCC									
0.0000000100									
3810	3820	3830	3840	3850	3860	3870	3880	3890	3900
TTTTAGTAGCTGAA AAAATCATCGACTT									
3910 TATAAATAAGGTTG	3920	3930 מתא התוכנים א באל	3940 ~ እጥልጥርርጥጥር	3950 ACCTATCCT	3960 AGAGCATICTTT	3970 ምርርርጥልጥልጥል	3980 TCCAGGAGTG	3990 САТАСТТССС	4000 CACTUTUTE
ATATTATTCCAAC									
4010 GTAGAACTATTTCC	4020 מסידידידים אי	4030 AAGGAACCACC	4040 AGATTGATTT	4050 TTAGATAGA	4060 CAGGGCCCCTA	4070 GTGGAGAGAT	4080 GGGGCCAAAC	4090 ACCTACCTTC	4100 AAAAATT
CATCTTGATAAAGG									
			4- 4-			,	44.00	4100	1000
4110 TGGTCCAGAATTGI	4120	4130 AAAAGAAATGC	4140 AGGGACAAAA	4150 ATGAAACAG	4160 AGACTGACCAA	4170 CCCAACTTAG	4180 GATCCATCCT	4190 ATGGGCAAGC	4200 ACCAAAC
ACCAGGTCTTAACA									
	4000	4000	4240	4050	40.00	4050	4200	4200	4200
4210 CCAGACTCTATTAT	4220 TGATGCCA	4230 FGTTGTGCTTG	4240 CAGACAGGAG	4250 CTTAGCATG	4260 SCTGTCCTCTG	4270 AGACACTCTA	4280 TCAGCAGCTG	4290 ACTGGGACAG	4300 ATGCAGA
GGTCTGAGATAATA									

6530

6540

	_	<u>.</u>					·		
4410 AACTAACCCTCAG	4420 AGCTCCCAGA	430 GACTAAGCCA	4440 CCAACTAAAG	4450 AGCATACATO	4460 GGCTGGTTTG	44 TGGTCCCTGG	4480 CAGAGGACTG	4490 CCTTGTCTGG	4500 SCCTCAGT
TTGATTGGGAGTC	TCGAGGGTCT	CTGATTCGGT	GGTTGATTTC	TCGTATGTAC	CCGACCAAAC	ACCAGGGACC	GTCTCCTGAC	GGAACAGACC	GGAGTCA
4510	4520	4530	4540	4550	4560	4570	4580	4590	4600
AGGAGAGGATGTG TCCTCTCCTACAC									
TCCTCTCCTACAC	GGATTAGGAG	ATCTCTGAAC	IACGGGGICC	ciicccigi	iccicccio	11ccaccci.	MCCACACCC	.cn1cnccccc	лисссс
4610	4620	4630	4640	4650	4660	4670	4680	4690	4700
TGGGGGTGGGGAT ACCCCCACCCCTA									
.=		.=			.=	.===		4500	
4710 TCTGGGAGCAGGG AGACCCTCGTCCC									
4810	4820	4830	4840	4850	4860	4870	4880	4890	4900
CAGCAGGGCTGGG	ATTAGAACCC	AAAAAGTTTA	TTCTGAGACT		'ACCAAGCTTA				
GTCGTCCCGACCC	TAATCTTGGG	TTTTTCAAAT	AAGACTCTGA	GAAAAGGTTA	TGGTTCGAAT	TTCAAAAGAA	GTCTTAAGAT	'ATCTTACGGA	AAAACCG
4910	4920	4930	4940	4950	4960	4970	4980	4990	5000
AGAAGTTCTTTGG TCTTCAAGAAACC									
TCTTCAAGAAACC	IGAAAIIAII	ICIIGIAIAA	CITCICIACI	IIICIICGAA	IIGHIICINGA	IIACIIIIAG	1101ACON1C	cororenege	, i c i n i c n
5010 TTAACATAGTAAT	5020	5030	5040	5050	5060	5070	5080	5090	5100
AATTGTATCATTA									
			=				5100	5100	5000
5110 ATTCCCAAAGTGT	5120 TGTTGTCATA	5130 TGTTTGCACC	5140 ACTCCTGGCT	5150 TCATAGTGTT	5160 TTTAAAACAC	5170 CCATGGAGAG	5180 TCGGGTGTGA	5190 AGATCCACAC	5200 GTCTAAC
TAAGGGTTTCACA									
5210	5220	5230	5240	5250	5260	5270	5280	5290	5300
CTCAGCATCTGGT	GAATCAAGGC	AGGAGGGCGG	GTGGTTGCAG	GCTGGCTATA	ATATCTAAGT	TTCAGTTAGT	AAGGGCTGCA	TAATGAAACA	CTGTCTT
GAGTCGTAGACCA	CTTAGTTCCG	TCCTCCCGCC	CACCAACGTC	CGACCGATAT	TATAGATTCA	AAGTCAATCA	TTCCCGACGT	ATTACTTTGT	GACAGAA
5310	5320	5330	5340	5350	5360	5370	5380	5390	5400
AAACACAAAACCA TTTGTGTTTTTGGT									
TTIGIGITTIGGT	TTTGGGTACT	TCCTCTATGA	TAACGGTAAA	TTTTCAGAGA	CCTTACCTTT	ATCGATAGTA	1 INGAN IGGA	IGAC I COG I CA	CAGACGG
5410	5420	5430	5440	5450	5460	5470	5480	5490	5500
CTCAGGTGTGCCT GAGTCCACACGGA									
		5500	55.40			5570	5500	5500	F.C.0.0
5510 GGTCTGCCCTCAG	5520 CTGTGCCTGA	5530 GGACAGAGCT	5540 GAGCTATCTA	5550 CCCCTGCAGA	5560 TTGGAAGCAT	5570 TACAGGCACT	5580 CAAGATCAGO	5590 CCTGAAGTGA	5600 TAAAACC
CCAGACGGGAGTC	GACACGGACT	CCTGTCTCGA	CTCGATAGAT	GGGGACGTCT	'AACCTTCGTA	ATGTCCGTGA	GTTCTAGTCG	GGACTTCACT	ATTTTGG
5610	5620	5630	5640	5650	5660	5670	5680	5690	5700
TAAGGCAGAAATC	CACCAAGACT	AGCAGTGCCT	CCGTGTCTCT	TCCTGTGGCT	GGTGGGAAAG	AGAGGGGCAG			
ATTCCGTCTTTAG	GTGGTTCTGA	TCGTCACGGA	GGCACAGAGA.	AGGACACCGA	CCACCCTTTC	TCTCCCCGTC	AGGAAGGAAC	TACGTTCCAG	CACACAG
5710	5720	5730	5740	5750	5760	5770	5780	5790	5800
TAGTGGCACGCTT ATCACCGTGCGAA									
ATCACCGTGCGAA	GGAAGTAAGG	GICACICICG	TICACIAGIG	SACCCATICC	TICCARGICC	ACGGAC ICGA	GCGACCICII	ANOTAGIGAG	INGGING
5810 ACTCTGCTCCTGT	5820	5830	5840	5850	5860	5870	5880 നനസമാനവാരന	5890 	5900
TGAGACGAGGACA									
F.4.4.0	5000	5000	5040	5050	50.50	5070	5000	E000	6000
5910 TCACATGGGAGGT	5920 ACACATTTTC	5930 AGGTGTCTGT	5940 CTTTCCATCA	5950 CACGGGCTTT	5960 Gaattaaact	5970 CAGTCTTGGT	5980 TTTACCGGCT	5990 GAGCCATCTC	6000 ACCTGCC
AGTGTACCCTCCA									
6010	6020	6030	6040	6050	6060	6070	6080	6090	6100
TGATTATTTAAAA	ATCTCCGGAG	TAATCCAGGA		TGATTGTAGT	ATCAACACTC				
ACTAATAAATTTT	TAGAGGCCTC.	ATTAGGTCCT	CACACCAAAT	ACTAACATCA	TAGTTGTGAG	CCCTCCGACT	CCCTCGTAGC	AATAGTACTC	GAGGTCC
6110	6120	6130	6140	6150	6160	6170	6180	6190	6200
CTAGTTCCAGGCT GATCAAGGTCCGA									
OM T CAMOUT CCGA	ACGGATTCGA	CATCICGITC.	NA I GNONGAN	1111CACGG	AGRIGOGIATA	nnnnuninin	. INDUCTING		nooi
6210	6220	6230	6240	6250	6260	6270	6280	6290	6300
ATAACTATGAAAT TATTGATACTTTA									
6310 AGCCAGTAGCATG	6320 CGTATATTTG	6330 GGCTCAGGGC	6340 CAACAGGCAG	6350 SCGATCTGGG	6360 TGTAAGAAAA	6370 TAGGCTAATG	6380 GCTGTGGAAT	6390 CTGGTCTCTA	6400 GTGGCTC
TCGGTCATCGTAC									
6410	6420	6430	6440	6450	6460	6470	6480	6490	6500
CCCTGAGAGCTGA									

6560

6570

 ${\tt GCGACTCTGGACTGGAGTTGGGAGGGAGTTTAACTAACGGAAGGTCCAATACTAAAGAGTAGTGTCCTTTGAAACAACGGGTTAAGTTTGGGACACT$

 $\tt GTGAAAACAAAAACAGGAGGAGAGCAAGTGCTGCCCCGTGCCCCCAAAGCCCCTTCTGTCAGGGATCCCAAATGCACCCCAGAGAACAGCTTAGCCTGCAAG$

, 6550

